Pamph
Bb
J

3 1761 09616389 4

THE

JOHN CRERAR LIBRARY

LIBRARY
DEC 2 1909
UNIVERSITY OF TORONTO

A LIST OF

BOOKS IN THE READING ROOM

1909

CHICAGO
PRINTED BY ORDER OF THE BOARD OF DIRECTORS
1909

OFFICERS, 1909

President
PETER STENGER GROSSCUP

First Vice-President
HENRY W. BISHOP

Second Vice-President
THOMAS D. JONES

Secretary
LEONARD A. BUSBY

Treasurer
WILLIAM J. LOUDERBACK

Librarian
CLEMENT W. ANDREWS

BOARD OF DIRECTORS

E. W. BLATCHFORD
ROBERT T. LINCOLN
HENRY W. BISHOP
JOHN M. CLARK
FRANK S. JOHNSON
PETER STENGER GROSSCUP
MARVIN HUGHITT
THOMAS D. JONES
JOHN J. MITCHELL
LEONARD A. BUSBY
ROBERT FORSYTH
CHAUNCEY KEEP
FREDERICK H. RAWSON

FRED A. BUSSE, Mayor of Chicago, *ex-officio.*
WALTER H. WILSON, Comptroller of Chicago, *ex-officio.*

HEADS OF THE LIBRARY STAFF

Librarian	CLEMENT W. ANDREWS
Assistant Librarian	CHARLES J. BARR
Cataloguer	AKSEL G. S. JOSEPHSON
Reference Librarian	—— —— ——
Medical Reference Librarian	ALFRED C. GIRARD
Classifier	J. CHRISTIAN BAY
Assistant Cataloguers	MARY E. HAWLEY GERTRUDE FORSTALL
Assistant Reference Librarian	EDWARD D. TWEEDELL

THE

JOHN CRERAR LIBRARY

A LIST OF

BOOKS IN THE READING ROOM

1909

CHICAGO

PRINTED BY ORDER OF THE BOARD OF DIRECTORS

1909

Digitized by the Internet Archive
in 2014

https://archive.org/details/listofbooksinr00john

PREFACE.

The present list, the eighth of the Library's bibliographical publications, is a new and revised edition of the first list, published in 1900. It is a catalogue of the books kept on open shelves in the general Reading Room, which are used by the public without any formality. The collection includes, besides general works of reference, significant books, both advanced and popular, on subjects coming within the scope of the Library and a few reference books on topics not directly within its field, because required by the demands of the reference work. It is not, however, a collection of "best books." Many books that otherwise would have been included have of necessity been omitted on account of the limited space available. For obvious reasons very valuable books are not placed on the open shelves, nor handbooks for engineers and draftsmen, and similar publications. Books on the medical sciences have been omitted as they are shelved in the Senn Room and have been selected on a different basis. Because of this omission, certain non-medical subjects, such as Foods, are not well represented in the present list. On the other hand a number of books have been included mainly because of the frequent calls for them. Of almanacs, yearbooks, directories, and similar publications appearing periodically, as a rule, only the latest issues are kept in the Reading Room.

The collection contains about four thousand volumes and undergoes constant revision. That it is not unsuccessful in securing its objects is shown by the fact that it and the collection in the Senn Room furnish about one-half the reading in the Library.

The selection is made primarily by the Reference Librarian, and the revision for the present edition has been the work of Mr. C. H. Brown, for whose valuable services the thanks of the Library are due.

ERRATA.

p. 32: Brown, J. D. 012.2 B81 *read* 010.2 B81.

p. 40: New international yearbook. Edited by Frank Colby Moore *read* Frank Moore Colby.

p. 169 & 170: *Marginal notes* 455 *read* 425.

p. 176: Velasquez de la Cadena, Mariano, *in note* Neuvo *read* Nuevo.

p. 180: *Marginal note* 509 *should be opposite* Buckley, Arabella Burton.

p. 182: *Marginal note* 510–1 *read* 510.1.

p. 190: *Marginal note* 553.2 *read* 523.2.

p. 191: *Marginal notes* 423.7, 423.8 *read* 523.7, 523.8.

p. 208: *Marginal note* 537. 839 *should be opposite* Knox, Charles Edwin.

p. 284: Hiscox, Gardner Dexter, *in entry* Gardner B. Hiscox *read* Gardner D. Hiscox.

p. 299: *Marginal note* 628 *should be opposite* Barker, Moses Nelson.

p. 305: *Marginal note* 634 *should be opposite* Bailey, Liberty Hyde.

p. 330: Andés, Louis Edgar *call number* 655.2 P702 *read* 665.2 P702.

CONTENTS.

	SPECIAL CARD INDEXES	vii
000	GENERAL WORKS	1
010	Bibliography	1
010–016	General bibliographies	1
016.1–016.9	Bibliographies of special subjects	10
017	Catalogues of libraries	29
020	Library economy	30
030	Encyclopedias	37
031	American	37
032	English	41
033–039	Other encyclopedias	43
040	General essays	44
050	Journalism	45
060	Scientific societies	45
090	Book rarities	46
100	PHILOSOPHY	47
130	Mind and body	50
150	Psychology	52
160	Logic	58
170	Ethics	59
180–190	Ancient and modern philosophers	63
200	RELIGION	65
300	SOCIAL SCIENCES	69
309	History of civilization	76
310	Statistics	86
320	Political science	89
330	Political economy	98
331–331.7	Labor	103
331.8	Laboring classes	108
332	Money and banking	110
333	Land	114
334	Co-operation	115
335	Socialism	116
336	Finance	118
337	Protection and free trade	119
338	Production and manufacture	120
339	Pauperism	124
340	Law	125
350–354	Administration (municipal and other)	132
355–359	Military and naval science	138
360	Charities and corrections	139
370	Education	144
371	Methods and management	149
372	Primary education. Child study	151
373–379	Other educational topics	153
380	Commerce and communication	155
390	Manners and customs—Folklore	159
400	LANGUAGE	164
420	English	166
430	German	171

439 Dutch—Scandinavian 173
440 French 174
450 Italian 176
460–469 Spanish—Portuguese 176
470–480 Latin and Greek 177
500 PHYSICAL SCIENCES 178
510 Mathematics 182
520 Astronomy 187
530–536 Physics 193
537–538 Electricity and magnetism 203
539 Molecular physics 209
540 Chemistry 210
549 Mineralogy 224
550 Geology 225
551.5 Meteorology 229
560 Paleontology 234
570–572–578 Natural sciences: General works—Ethnography—Microscopy 235
580 Botany 248
589.9 Bacteriology 257
590 Zoology 259
600 APPLIED SCIENCES 274
620 Engineering 281
630 Agriculture 303
640 Domestic economy 309
650 Business 313
655 Printing and the book trade 315
656 Transportation 318
657–659 Bookkeeping—Advertising 321
660 Chemical technology 323
670 Manufactures 338
680 Trades 345
690 Building 348
700 FINE ARTS 356
710 Landscape gardening 361
720 Architecture 363
730–740 Decorative arts 366
750–760 Painting and engraving 371
770 Photography 373
780 Music 375
790 Amusements 378
800 LITERATURE 380
900 HISTORY 389
910 Geography 393
912 Atlases 398
920 Biography 402
930 Ancient history 414
940 Europe 417
950 Asia 429
960 Africa 431
970 North and Central America 433
971 Canada 434
972 Mexico. Central America. West Indies 435
973–979 United States of America 436
974–979 State directories of the United States 441
974–979 City directories of the United States 441
980 South America 451
990–997 Australasia. Oceanica 453
998 Arctic regions 456

SPECIAL CARD INDEXES

Concilium bibliographicum, *Zurich.*

18214 Bibliographia zoologica. Zurich, 1896–.
b Continued from 1896.
H. H. Field, director.
Card index arranged according to the Decimal classification; covers classes **560** (except **561**), **575**, **590** and **611**

Congrès international de bibliographie des sciences mathématiques. *Commission permanente du répertoire.*

19035 Répertoire bibliographique des sciences mathématiques. Continued from no. 1. Paris: Gauthiers-Villars, 1894–.
Card-index; filed in Reading Room.

Fourtier, [H].

19034 . . . . Le formulaire classeur du Photo-club de Paris. Formules, notes, renseignements pratiques, recueillis et annotés, par MM. Fourtier, Bourgeois & Bucquet. . . . . Paris, Gauthier-Villars & fils, 1892–[1897].
First–second series, 1892–1897. (Bibliothèque photographique.)
Card-index; filed in Reading Room.

Harvard University. *Gray Herbarium.*

18213 Card-index of genera, species, and varieties of plants. Cambridge, Mass., 1885–.
Continued from no. 1, 1885.
Filed in Reading Room.
Issue 1–20, by Josephine Adelaide Clark, published in Washington.

Herbier Boissier, *Chambésy.*

63502 Index botanique universel des genres, espèces et variétés de plantes parus depuis le 1er janvier 1901 publié par le Bulletin de l'Herbier Boissier . . . . Chambézy, Suisse, [1902–].
Continued from no. 1, 1901.
Card index.
Continuation of Index Kewensis.

Institut international de bibliographie. 016.01 I59

33948 [Bibliographia bibliographica.] [Bruxelles 1900–.]
Continued from [no. 1, 1897].
Card index.
Previous to being issued in card form published in Bulletin de l'Institut international de bibliographie.

Institut international de bibliographie.

56059 Bibliographie de Belgique. Bruxelles, Institut international de bibliographie, 1906–.
Continued from no. 1, 1906.
Card index.

Torrey Botanical Club, *New York.*

18212 Bibliography of American Botany. Published monthly. Cambridge, Mass., 1894–.
Continued from vol. 1, 1894.
Card index; filed in Reading Room.
Vol. 1–6 published by Cambridge Botanical Supply Company.
Reprinted from Bulletin of the Torrey Botanical Club, vol. 21–.

U. S. A. *Department of Agriculture.*

14331 Card index to the publications of the Department. Continued from no. 1. Washington 1899–.
Filed in Reading Room.

U. S. A. *Department of Agriculture.*

18210 *Office of Experiment Stations.*
a Subject index of literature of agricultural experiment stations and kindred institutions. Washington, 1888–.
Continued from no. 1, 1888.
Card index; filed in Reading Room.
Classified Key has shelf number **016.63 U58**

U. S. A. *Department of Agriculture. Library.*

63859 Card index for articles in: Annales de la science agronomique, 1884–; Landwirthschaftliche Jahrbücher, 1872–; Die landwirthschaftlichen Versuchs-Stationen, 1859–. Washington, 1904–.
Continued.

U. S. A. *Department of the Interior. Bureau of Education.*

63218 [Card index for educational publications. Washington, Library
a of Congress, 1908–.]
Continued from no. 1.

U. S. A. *Department of the Interior. Geological Survey.*

56058 Card index for U. S. Geological Survey publications. Washing-
a ton, Library of Congress, 1906–.
Continued from no. 1, 1906.

U. S. A. *Library of Congress.*

56057 Card index for U. S. and state documents. Washington, 1906–.
a Continued from no. 1, 1906.

000 GENERAL WORKS

010 BIBLIOGRAPHY

010-016 GENERAL BIBLIOGRAPHIES

Brown, James Duff, 1862– 010.2 B81

63350 A manual of practical bibliography. By James Duff Brown ... London, G. Routledge & Sons, ltd., [1906].
[8], 175 p. 17cm.

Garnett, Richard. 020.4 G18

19678 Essays in librarianship and bibliography. xiv,343 p. D. [Library series, vol. 5.] London: G. Allen, 1899.

Contents: Address to the Library Association. Public libraries and their catalogues. The printing of the British Museum catalogue. The past, present, and future of the British Museum catalogue. The British Museum catalogue as the basis of a universal catalogue. Introduction of European printing into the east. Paraguayan and Argentine bibliography. The early Italian book trade. Some book-hunters of the seventeenth century. Librarianship in the seventeenth century. The manufacture of fine paper in England in the eighteenth century. On some colophons of the early printers. On the system of classifying books on the shelves followed at the British Museum. Subject-indexes to transactions of learned societies. Photography in public libraries. The telegraph in the library. On the protection of libraries from fire. The sliding-press at the British Museum. On the provision of additional space in libraries. Preface to Blades' "Enemies of books". Sir Anthony Panizzi, K. C. B. The late John Winter Jones, V. P. S. A. The late Henry Stevens, F. S. A. The late Sir Edward A. Bond, K. C. B.

[Medlicott, Mary.] 029.4 M46

90579 Abbreviations used in book catalogues .... Boston, Boston Book Company, 1906.

15 p. 21cm. (*Verso of t.-p.:* Bulletin of bibliography pamphlets, no. 15.)

"Compiled from a list in the Library journal, vol. 12, 1887, as prepared by E. H Woodruff ... with additions from publishers' catalogues and other sources." "Reprinted with additions from the Boston Book Company's Bulletin of bibliography, vol. 4, no. 6, January, 1906."

Another copy in Bulletin of bibliography pamphlets has shelf number
010.51 26 v.15

Wheeler, William Adolphus. 010.3 W56

13272 Who wrote it? An index to the authorship of the more noted works in ancient and modern literature. Edited by Charles G. Wheeler. [2],174 p. sq. D. Boston: Lee & Shepard, 1882.

See also 920: Biographical dictionaries.

Allibone, Samuel Austin. L015.42 A436 015 National bibliographies

451 A critical dictionary of English literature, and British and American authors, living and deceased, from the earliest accounts to the latter half of the nineteenth century. .... 3 vol. Q. Philadelphia: J. B. Lippincott Co., 1891.

015 National bibliographies

Kirk, John Foster. L015.42 A4361

452 A supplement to Allibone's Critical dictionary of English literature and British and American authors. . . . . 2 vol. Q. Philadelphia: J. B. Lippincott Co., 1892.

Bibliographie.

56059 Bibliographie de Belgique. Bruxelles, Institut international de bibliographie, 1906–.

Continued from no. 1, 1906.

Card index.

United States catalog. L015.73 U581

38355 The United States catalog. Books in print 1902. Entries under author, subject, and title, in one alphabet, with particulars of binding, price, date, and publisher. Edited by Marion E. Potter. Second edition. Minneapolis, H. W. Wilson Company, 1903.

[4], 2150 p. 26½cm.

———. Supplement. Books published 1902–1905. . . . . Edited by Marion E. Potter. Minneapolis, 1906.

[4], 2030 p. 26½cm.

Supplemented and kept up to date by the Monthly cumulative book index from August 1903 inclusive.

016 Best books

A. L. A. catalog. 016 A512

32403 . . . A. L. A. catalog. 8,000 volumes for a popular library, with notes. 1904. Prepared by the New York State Library and the Library of Congress, under the auspices of the American Library Association Publishing Board. Editor, Melvil Dewey . . . associate editors, May Seymour . . . Mrs. H. L. Elmendorf . . . . Washington, Gov't Print. Off., 1904.

2 vol. in 1. 24½cm.

At head of title: Library of Congress.

Contents. — Publisher's preface. Note of the A. L. A. Publishing Board. Editorial preface. Abbreviations. — pt. 1. Class list: Synopsis of Decimal classification. Class list. Public documents. Subject index. — pt. 2. Dictionary catalog: Explanatory note. Synopsis of Expansive classification. Dictionary catalog.

Also issued in two parts: Pt. 1. Class list, with synopsis of Decimal classification and Subject index. — Pt. 2. Dictionary catalog, with synopsis of Decimal and Expansive classifications.

Cotgreave, Alfred. 016 C82

26643 A contents-subject index to general and periodical literature. xii,743,[1] p. 1 por. O. London: E. Stock, 1900.

Matson, Henry, *1829–.* 016 M42

36583 References for literary workers, with introductions to topics and questions for debate. Fourth edition. 582 p. O. Chicago: A. C. McClurg & Co., 1899, c. 1892.

Contents: Introduction. 1. History. 2. Biography. 3. Politics. 4. Political economy. 5. Education. 6. Literature. 7. Art. 8. Science. 9. Philosophy. 10. Ethics. 11. Religion. 12. Miscellaneous. Questions with references. Questions without references. Cyclopædias and periodicals referred to, with abbreviated forms.

Sonnenschein, [William] Swan. **L016 S699** 016 Best Books

449 The best books. A reader's guide to the choice of the best available books (about 50,000) in every department of science, art and literature; ... . A contribution towards systematic bibliography. ... . Second edition. [18],cix,1009 p. Q. London: Swan Sonnenschein & Co., 1894.

Sonnenschein, [William] Swan. **L016 S6991**

450 A reader's guide to contemporary literature. Being the first supplement to The best books. ... . [16],lxxiv,775 p. Q. London: Swan Sonnenschein & Co., 1895.

Annual library index. **L016.005 A6151** 016.005 Indexes to periodicals

61921 The Annual library index, ... Including periodicals, American and English; essays, book-chapters, etc.; bibliographies, necrology, and index to dates of principal events. Edited with the coöperation of members of the American Library Association by W: I. Fletcher and H. E. Haines. New York, Office of the Publishers' Weekly, 1906–.

Continued from vol. 1, 1905. 27½cm.

Preceded by the Annual literary index (1892–1904).

Annual literary index. **L016.005 A615**

927 The Annual literary index 1892–1904, including periodicals, American and English; essays, book-chapters, etc.; with author-index, bibliographies, necrology, and index to dates of principal events. Edited with the coöperation of members of the American Library Association and of "The Library journal" staff. ... . New York, Publishers' Weekly, 1893–1905.

13 vol. 27cm.

Edited by W. I. Fletcher and R. R. Bowker.

Ceased publication; succeeded by Annual library index.

Book review. **L016.005 B64**

49615 The Book review digest. ⟨Annual cumulation.⟩ ... . Minneapolis, The H. W. Wilson Company, [1905–].

Continued from vol. 1, 1905. 25½cm.

Vol. 1 title reads: The Cumulative book review digest. Evaluation of literature.

Published monthly.

Cumulative index. **L016.005 C91**

7301 Cumulative index to a selected list of periodicals. ... . [Vol. 1–vol. 8, no. 7], 1896–July 1903. Cleveland, 1897–1903.

8 vol. 27cm.

Vol. 1–3 have subtitle: Authors, subjects, titles, reviews, portraits; vol. 4 includes illustrations, maps.

Vol. 1–3 edited by the Public Library, Cleveland, Ohio; vol. 4–8, by the Cumulative Index Company.

In 1903, united with Readers' guide to periodical literature.

Vol. 7–8 have no title-page.

016.005 Indexes to periodicals

Index to the periodicals. **L016.005 I38**

3431 Index to the periodicals of 1890–1902. London, The Review of Reviews, [1891]–1903.

13 vol. 26cm.

1890 title reads: The Annual index of periodicals and photographs; 1891–1893, Index to the periodical literature of the world.

Compiled by Miss E. Hetherington.

Ceased publication in 1902.

Magazine. **L016.005 M27**

62684 The Magazine subject-index. . . . . A subject-index to seventy-nine American and English periodicals, forty-four indexed from their first issues . . . , thirty-five indexed for the year . . . . Boston, The Boston Book Company, 1908.

Vol. 1, 1907. 25cm.

Compiled by Frederick Winthrop Faxon.

Indexes periodicals not included in the Annual library index and the Reader's guide.

Continued quarterly in the Bulletin of bibliography.

Poole's Index. **L016.005 P782**

2095 c Poole's Index to periodical literature. By William Frederick Poole, with the assistance as associate editor of William I. Fletcher, and the coöperation of the American Library Association and the Library Association of the United Kingdom. . . . . Revised edition. Vol. 1 part 1–[11]. 1802–1881. Boston, Houghton, Mifflin & Co., 1893 [c1882].

1 vol. in 2. 27½cm.

Paged continuously; pt. 1: [2], xxvii, 700 p.; pt. 2: [2], 701–1442 p.

———— ————. First–[fifth] supplement. From 1882 to January 1 [1907]. . . . . Boston and New York, 1893 [c1888]–1908.

5 vol. 1 port. 27½cm.

No. 1 compiled by William Frederick Poole and William I. Fletcher; no. 2, by W. I. Fletcher; no. 3, by W. I. Fletcher and Franklin O. Poole; no. 4–5, by W. I. Fletcher and Mary Poole.

Compiled with the coöperation of the American Library Association.

The supplements are numbered on the back: Vol. 2–6.

Quinquennial.

Poole's Index. **L016.005 P783**

28901 Poole's Index to periodical literature. Abridged edition covering the contents of thirty-seven important periodicals, 1815–99. By William I. Fletcher . . . and Mary Poole. . . . . Boston and New York, Houghton, Mifflin and Co., 1901.

vii, 843 p. 27cm.

————. . . . Supplement to the Abridged edition covering . . . five years, ... Boston, 1905.

No. 1, 1900–1904. 27cm.

Readers' guide. **L016.005 R221** 016.005 Indexes to periodicals

49194 Readers' guide to periodical literature ⟨cumulated⟩. A consolidation of the Cumulative index to a selected list of periodicals and the Readers' guide to periodical literature. . . . . Minneapolis, The H. W. Wilson Company, 1905.

Vol. 1, 1900–1904. 26cm.

The current monthly numbers of the Readers' guide are kept temporarily as supplements to the above.

The Times, *London.* **L052 37**

57566 The annual index to The Times. . . . . London, G. E. Wright, [1907–].

Continued from 1906. 25½cm.

U. S. A. *Department of Agriculture. Library.*

63859 Card index for articles in: Annales de la science agronomique, 1884–; Landwirthschaftliche Jahrbücher, 1872–; Die landwirthschaftlichen Versuchs-Stationen, 1859–. Washington, 1904–.

Continued.

Bibliographie. **L016.0053 B47**

12372 Bibliographie der deutschen Zeitschriften-Litteratur mit Einschluss von Sammelwerken und Zeitungen. Alphabetisches nach Schlagworten sachlich geordnetes Verzeichnis von Aufsätzen, die ... in ... Zeitschriften, ... deutscher Zunge erschienen sind, ... Continued from vol. 1. 1896. sq.Q. Leipzig 1897–.

Edited by F. Dietrich.

Vol. 1–3 published under the title: Bibliographie der deutschen Zeitschriften-litteratur; slight variations in subtitle.

Engineering index. **016.6 E57** 016.005 Indexes to technical periodicals

11555 The Engineering index. . . . . Vol. 1, Chicago, Association of Engineering Societies; vol. 2–4, New York, London, Engineering Magazine, c1892–1906.

Vol. 1–4. 24cm.

Vol. 1 title reads: Descriptive index of current engineering literature.

Vol. 1–2 edited by J. B. Johnson; vol. 3, by Henry Harrison Suplee; vol. 4, by H. H. Suplee, J. H. Cuntz and C. B. Going.

Vol. 1–2 originally published in the Journal of the Association of Engineering Societies; vol. 3 re-edited from The Engineering magazine.

The current volumes of the monthly Engineering index, reprinted (on only one side of the leaves) from The Engineering magazine, are shelved with the above.

"Succeeding volumes will be published annually."

Contents.—vol. 1 index for 1884–1891; vol. 2, for 1892–1895; vol. 3, for 1896–1900; vol. 4, for 1901–1905.

Engineering index. **016.6 E571**

56359 Engineering index annual . . . . Compiled from The Engineering index published monthly in The Engineering magazine . . . . New York and London, The Engineering magazine, 1907–.

Continued from 1906. 24cm.

Continuation of The Engineering index, vol. 1–4, 1884–1905.

016.005 Indexes to technical periodicals

Galloupe, Francis Ellis. 016.6 G13

5123 An index to engineering periodicals, 1883 to [1892], inclusive. Comprising engineering; railroads; science; manufactures and trade. 2 vol. O. Boston 1888–1893.

Vol. 2 published under the title: Galloupe's general index to engineering periodicals.

Repertorium. L016.6 R29

3419 Repertorium der technischen Literatur die Jahre 1823 bis einschl. 1853 umfassend. . . . . Bearbeitet von Dr. Schubarth. Herausgegeben im Auftrage des Königlichen Ministeriums für Handel, Gewerbe und öffentliche Arbeiten. xvi,1049 p. O. Berlin: Deckersche Hofbuchdruckerei, 1856.

Repertorium. L016.6 R291

3421 Repertorium der technischen Journal-Litteratur. Herausgegeben im Kaiserlichen Patentamt. Continued from 1854. Q. Berlin 1871–.

Continuation of Repertorium der technischen Literatur, 1823–1853.

1854–1881 edited by Bruno Kerl; 1882–1885, by Rud. Biedermann; 1886–, by Dr. Rieth.

Contents: 1854–1868 in 2 vol.: vol. 1, A–K; vol. 2, L–Z; 1869–1873 in 2 vol.: vol. 1, A–K; vol. 2, L–Z; 1874– published annually.

From 1854 to 1878 published under the title: Repertorium der technischen Literatur. Neue Folge. Im Auftrage des Königlich preussischen Ministeriums für Handel, Gewerbe, und öffentliche Arbeiten . . . ; from 1879 to 1894, Repertorium der technischen Journal-Literatur. Im Auftrage des Kaiserlichen Patentamtes herausgegeben.

1892– have also an English and French title-page.

016.01 Bibliography of bibliographies

Courtney, William Prideaux, 1845– 016.01 C83

61996 A register of national bibliography, with a selection of the chief bibliographical books and articles printed in other countries. By William Prideaux Courtney . . . . London, A. Constable & Co., ltd., 1905.

2 vol. 22cm.

Paged continuously; vol. 1: viii, 314 p.; vol. 2: 4, [315]–631 p.

Double columns.

A subject-index to bibliographical literature, with special reference to British and American sources.

Graesel, Arnim, 1849– 020.2 G762

50233 Handbuch der Bibliothekslehre, von Dr. Arnim Graesel . . . . Zweite, voellig umgearbeitete Auflage der „Grundzuege der Bibliothekslehre, Neubearbeitung von Dr. Jul. Petzholdts Katechismus der Bibliothekslehre." Mit 125 Abbildungen und 22 Schrifttafeln. Leipzig, J. J. Weber, 1902.

x, 583, [1] p. illus., plates, plans. 24cm.

Contents. — Einleitung: Begriff der Bibliothekswissenschaft. Litteratur. — 1. t. Von dem Gebaeude, den Beamten und Mitteln der Bibliothek. — 2. t. Vom Buecherschatz. — 3. t. Anhaenge, Nachtraege, Register. 1. Anhang: Vom bibliothekarischen Berufe. 2. Anhang: Bibliographische und biographische Litteratur. 3. Anhang: Wissenschaftliche Systeme und Numerierungsmethoden.

Institut international de bibliographie. 016.01 I59 016.01 Bibliography of bibliographies

33948 [Bibliographia bibliographica.] [Bruxelles 1900–.]

Continued from [no. 1, 1897].

Card index.

Previous to being issued in card form published in Bulletin de l'Institut international de bibliographie.

John Crerar Library. L017.773 J613

34640 A list of bibliographies of special subjects, July, 1902. 504 p. Q. Chicago 1902.

Providence Public Library. 016.01 P94

60359 . . . . Index to the reference lists published in library bulletins from October 1901 to December 1906, inclusive. Compiled by The Providence (R. I.) Public Library. . . . . Boston, The Boston Book Company, 1907.

31 p. 19½ x 15cm. (Bulletin of bibliography pamphlets, no. 16.)

"Reprinted from The Bulletin of bibliography, vol. 4, no. 10, January 1907; vol. 5, no. 1, April 1907."

Counsel. 028 C83 016.028 Guides to reading

26720 Counsel upon the reading of books. . . . . With an introduction by Henry Van Dyke. Boston and New York, Houghton, Mifflin & Co., 1901, [c1900].

306 p. 19cm.

"Papers . . . based upon lectures arranged by the American Society for the Extension of University Teaching, and delivered in Philadelphia in the winter of 1898–99." — Note.

"References" preceding each essay.

Contents. — Van Dyke, H. A preface on reading and books. — Stephens, H. M. History. — Repplier, A. Memoirs and biographies. — Hadley, A. T. Sociology, economics, and politics. — Matthews, B. The study of fiction. — Perry, B. Poetry. — Mabie, H. W. Essay and criticism.

Kroeger, Alice Bertha. 016.028 K91

50175 . . . . Guide to the study and use of reference books; a manual for librarians, teachers and students, by Alice Bertha Kroeger . . . . Issued by the Publishing Board of the American Library Association. Boston and New York, Houghton, Mifflin & Co., 1902.

viii, 104, [2] p. 25cm. (A. L. A. annotated lists.)

"Limited to those of a strictly reference character, and to the most useful works in the English language, with some exceptions in other languages."

Critical and bibliographical notes, "references," prices, etc. The section Bibliography (p. [65]–79) includes titles of works on Choice of books, Children's literature, and Library economy.

"Books and articles on reference books and reference work," p. [6]–8.

"Suggestive list of 100 reference books," p. [80]–82.

016.03 Bibliography of encyclopedias

John Crerar Library, *Chicago.* **L017.773 J615**

44137 . . . . A list of cyclopedias and dictionaries, with A list of directories, August, 1904. Chicago, printed by order of the Board of Directors, 1904.

vi, 272 p. 27½cm.

At head of title: The John Crerar Library.

016.04 Index to essays

Fletcher, William Isaac. **L016.04 F631**

30054 The "A. L. A." index. An index to general literature: biographical, historical, and literary essays and sketches, reports and publications of boards and societies dealing with education, health, labor, charities, and corrections, etc., etc. . . . . Second edition, greatly enlarged and brought down to January 1, 1900. Issued by the Publishing Board of the American Library Association. iv,679 p. Q. Boston: Houghton, Mifflin & Co., 1901.

016.05-016.06 Bibliographies of periodicals

American Library Association. *Publishing Board.* **020.6103 5**

44139 . . . . Printed catalog cards. . . . . Revised list of periodicals and society publications for which printed catalog cards are being issued. [Boston], 1904.

8 p. 24cm.

Caption title.

At head of title: A. L. A. Publishing Board.

Ayer & Son, N. W., *publishers.* **L016.051 A976**

7058 N. W. Ayer & Son's American newspaper annual. Containing a catalogue of American newspapers, ... A list of the newspapers of the United States and Canada which insert advertisements, ... Separate lists of religious and agricultural publications, ... Continued from 1897. Q. Philadelphia 1897–.

Bolton, Henry Carrington. **016.05 B63**

15657 A catalogue of scientific and technical periodicals. 1665–1895. Together with chronological tables and a library check-list. Second edition. vii,1247 p. O. (SMITHSONIAN INSTITUTION. Smithsonian miscellaneous collections, vol. 40.) City of Washington 1897.

Another copy with *Smithsonian miscellaneous collections*, which has shelfnumber **L061.82 2 v.40**

Boston. *Public Library.* **L017.744 B65**

7582 A list of periodicals, newspapers, transactions, and other serial publications currently received in the principal libraries of Boston and vicinity. [4],143 p. Q. Boston 1897.

Chicago Library Club. **017.773 C4399** 016.05-016.06 Bibliographies of periodicals

29939 A list of serials in public libraries of Chicago and Evanston. Corrected to January, 1901. Compiled by the Chicago Library Club. Chicago, 1901.

x, 185 p. 25cm.

Prepared under direction of a committee, C. W. Andrews, chairman.

Another copy, with Supplement corrected to April, 1903, has shelf number **017.773 C4396**

Another copy, with Supplement, second edition, corrected to November, 1905, has shelf number **017.773 C4397**

John Crerar Library. **L017.773 J612**

34146 A list of current periodicals in the Reading Room, June, 1902. 97 p. Q. Chicago 1902.

Philadelphia. Free Library. **L017.748 P539**

63391 . . . . A list of serials in the principal libraries of Philadelphia and its vicinity. Prepared by John P. Lamberton, ... Philadelphia, 1908.

xiv, 309 p. 26½cm. (Bulletin of the Free Library of Philadelphia, number 8.)

Another copy in Bulletin has shelf number **L010.51 16 v.8**

Severance, Henry Ormal. **L016.051 S498**

62416 A guide to the current periodicals and serials of the United States and Canada, 1907. Compiled by Henry Ormal Severance . . . . Ann Arbor, Mich., G. Wahr, 1907.

330 p. 26cm.

U. S. A. *Library of Congress. Division of Bibliography.* **L017.753 1**

28910 A union list of periodicals, transactions and allied publications currently received in the principal libraries of the District of Columbia. Compiled under the direction of A. P. C. Griffin, Chief of Division of Bibliography. v p. 315 f. sq.Q. Washington 1901.

Printed and numbered on only one side of the leaves.

Rhees, William Jones. **016.061 S6641**

3016 Catalogue of publications of the Smithsonian Institution, (1846–1882,) with an alphabetical index of articles in the Smithsonian contributions to knowledge, miscellaneous collections, annual reports, Bulletins and Proceedings of the U. S. National Museum, and Report of the Bureau of Ethnology. xiv,328 p. O. (SMITHSONIAN INSTITUTION. Smithsonian miscellaneous collections, vol. 27.) Washington 1882.

Another copy in Smithsonian miscellaneous collections has shelf number **061.82 2 v.27**

Smithsonian Institution. **016.061 S6642**

37920 . . . . List of publications of the Smithsonian Institution, 1846–1903. Part I. Complete list. Part II. Available for distribution. By William Jones Rhees. Washington City, 1903.

[8], 99 p. 24½cm. (Smithsonian miscellaneous collections.)

Another copy in Smithsonian miscellaneous collections has shelf number **061.82 2 v.44**

015.06-016.06 Bibliographies of periodicals

Smithsonian Institution. 016.061 S664

3269 Publications of the Smithsonian Institution. May, 1896. I. Classified list. II. Numerical list. III. Tables. IV. Index. By William J. Rhees. iv,86 p. O. City of Washington 1896.

016.1-016.9 BIBLIOGRAPHIES OF SPECIAL SUBJECTS

016.1 Philosophy and Psychology

Bosanquet, Bernard. 157 P200

8762 A history of æsthetic. xxiii,502 p. O. [Library of philosophy.] London: Swan Sonnenschein & Co., 1892.

"Bibliography", p. 494-498.

Drähms, August. 132.9 Q001

22656 The criminal: his personnel and environment. A scientific study. With an introduction by Cesare Lombroso. xiv,[2],402 p. D. New York: Macmillan Co. 1900.

"Alphabetical list of works upon criminology, in the English language," p. 391-394.

Rand, Benjamin, 1856– , *comp.* L103 Q100 v.3

50586 Bibliography of philosophy, psychology, and cognate subjects, compiled by Benjamin Rand, ... Part I–[II]. New York, London, The Macmillan Company, 1905.

2 vol. 27cm. (*In* Dictionary of philosophy and psychology . . . edited by James Mark Baldwin, vol. III, pt. I–II.)

Windelband, Wilhelm. 109.3 P300

21299 History of ancient philosophy. Authorized translation by Herbert Ernest Cushman. From the second German edition. xv, 393 p. O. New York: C. Scribner's Son's, 1899.

"Bibliography," p. 385-388.

016.178 Liquor problem

Calkins, Raymond. 178.04 C12

29301 Substitutes for the saloon. An investigation made for the Committee of Fifty under the direction of Francis G. Peabody, Elgin R. L. Gould, and William M. Sloane. xvi,[2],397 p. il. D. Boston: Houghton, Mifflin & Co., 1901.

Koren, John. 178.04 K84

30279 Economic aspects of the liquor problem. An investigation made for the Committee of Fifty, under the direction of Henry W. Farnam. x,[2],327 p. D. Boston: Houghton, Mifflin & Co., c. 1899.

"Bibliography," p. 313-322.

016.2 Religion

Jastrow, Morris, 1861– 207 Q100

50242 The study of religion. By Morris Jastrow, jun. . . . . London, W. Scott, 1901.

xiv, [2], 451 p. 19cm. (The contemporary science series. [Vol. 41].)

Appendix I. Programme of the section for the history of religions at the École des hautes études, Paris. — Appendix II. Arrangement of the Musée Guimet. Selected bibliography: p. [399]-415.

Bibliographia. **L016.3 B474** 016.3 Bibliographies of sociology

4C224 . . . . Bibliographia economica universalis. Répertoire bibliographique annuel des travaux relatifs aux sciences économiques et sociales . . . . Bruxelles, Paris, Budapest, [etc., 1903–].

Continued from 1902. 27cm. (Bibliographia universalis. Publication coopérative de l'Institut international de bibliographie. Contribution no. 39–. Indice bibliogr. 016: 33.)

Bibliographia sociologica. **016.3 B472**

33566 Bibliographia sociologica. Sociologie et droit. Sozialwissenschaft und Recht. Sociology and law. Sommaire méthodique des traités et des revues, dressé conformément à la Classification décimale par H. La Fontaine and P. Otlet. (Publication patronnée par l'Office international de bibliographie.) [Part 1-3.] O. Bruxelles [1895].

No more published.

Cover reads: 1895. — 5e année.

Bibliographie. **L016.3 B476**

50832 Bibliographie der Sozialwissenschaften. Bibliographie des sciences sociales. Bibliography of social science. . . . . Herausgegeben . . . im Auftrage des Internationalen Instituts fuer Sozial-Bibliographie . . . . Dresden, O. V. Boehmert, [1905–].

Continued from vol. 1, 1905. 25½cm.

Published as supplement to Kritische Blaetter fuer die gesamten Sozialwissenschaften.

Bowker, Richard Rogers, & Iles, George, *editors.* **016.3 B67**

242 The reader's guide in economic, social and political science; being a classified bibliography, . . . with . . . courses of reading, college courses, etc. [2],169 p. D. (Economic tracts, no. 27.) New York: G. P. Putnam's Sons, 1891.

Brookings, Walter Du Bois, & Ringwalt, Ralph Curtis, *editors.* **307 P500**

12060

Briefs for debate on current political, economic, and social topics. With an introduction by Albert Bushnell Hart. xlvii,213 p. D. New York: Longmans, Green, & Co., 1897.

"Bibliography of debating," p. xli–xlvii. Bibliographical references to each topic.

Cheyney, Edward Potts. **309.42 Q100**

28385 An introduction to the industrial and social history of England. x,[2],317 p. il. 13 pl. 3 maps, 2 facsim. 1 table. O. New York: Macmillan Co., 1901.

"Bibliography" at the end of each chapter except the first.

Mühlbrecht, Otto. **016.3 M89**

1337 Wegweiser durch die neuere Litteratur der Rechts- und Staatswissenschaften. . . . . 2 vol. O. Berlin: Puttkammer & Mühlbrecht, 1893–1901.

Contents: [Vol. 1.] 1868–1892. Zweite umgearbeitete und vermehrte Auflage. [2], xxviii,748 p. 1893. Vol. 2. Die Litteratur der Jahre 1893–1900 nebst Nachträgen und Ergänzungen zu Band 1. xvi,651 p. 1901.

016.3 Bibliographies of sociology

Prussia. *K. Ministerium der öffentlichen Arbeiten.* **017.43 P95**

8412 Katalog der Bibliothek des Königl. Ministeriums der öffentlichen Arbeiten. Berlin, J. Springer, 1897.

xiv, [2], 666 p. 24cm.

——— ———. . . . . Nachtrag . . . . Berlin, 1899–.

Continued from no. 1, 1897–1898. 24cm.

No. 2 has subtitle: Mit einem den Hauptkatalog und beide Nachträge umfassenden alphabetischen Inhalts-Verzeichnis.

Ringwalt, Ralph Curtis, 1874– **307 Q500**

61997 Briefs on public questions, with selected lists of references, by Ralph Curtis Ringwalt . . . . New York, London, [etc.], Longmans, Green, and Co., 1905.

x, [2], 229 p. 20cm.

Stammhammer, Josef. **L016.3 S783**

7309 Bibliographie der Social-Politik. iv,648 p. Q. Jena: G. Fischer, 1896.

Tolman, William Howe, & Hull, William I. **360.9747 P400**

5850 Handbook of sociological information, with especial reference to New York City. Prepared for the City Vigilance League, New York City. xi,257 p. O. New York 1894.

Contains a bibliography of sociology.

016.307 Social settlements

Montgomery, Caroline Williamson. **016.307 M761**

47222 Bibliography of college, social, university and church settlements. Compiled by Caroline Williamson Montgomery, . . . , for the College Settlements Association. Fifth edition, revised and enlarged. Chicago, Illinois, [The Blakely Press], 1905.

147 p. 23½cm.

016.33 Political economy

Ashley, William James. **330.942 O800**

13487 An introduction to English economic history and theory. . . . . Third edition. [Vol. 1, part 1]–2. D. London: Longmans, Green, & Co., 1894–1898.

Contents: Part 1. The Middle Ages. Part 2. The end of the Middle Ages.

"Authorities," at the beginning of each chapter.

Bogart, Ernest Ludlow, 1870– **330.973 Q703**

63576 The economic history of the United States, by Ernest Ludlow Bogart . . . . New York, [etc.], Longmans, Green, and Co., 1908.

xv, 522 p. incl. front., illus., tables. maps. 21cm. (*Half-title:* Longmans' commercial text-books, edited by G. M. Fisk . . . and E. D. Jones.)

"Bibliography," p. 471–502.

"Selected references" at end of chapters.

Dewey, Davis Rich, 1858– 336.73 Q203 016.33 Bibliographies of political economy

64663 . . . . Financial history of the United States, by Davis Rich Dewey . . . . New York, London, [etc.], Longmans, Green, and Co., 1903.

xxxv, [2], 530 p. charts. 20½cm. (American citizen series.)
"Suggestions for students, teachers, and readers," p. [ix]–xxviii.
"References" at beginning of chapters.

Hunter, Robert *i.e.* **Wiles Robert,** 1874– 339 Q400

64661 Poverty, by Robert Hunter. New York, London, The Macmillan Company, 1904.

xi, 382 p. 20½cm.
"Authorities," p. 361–372.
Contents. — Poverty. — The pauper. — The vagrant. — The sick. — The child. — The immigrant. — Conclusion. — Appendices. — Authorities.

Laughlin, James Laurence, 1850– 337.9 Q300

64660 Reciprocity, by J. Laurence Laughlin . . . and H. Parker Willis . . . . New York, The Baker & Taylor Co., [1903].

xi, 583 p. charts. 21½cm.
"Bibliography," p. 439–471.

Rand, Benjamin, *Ph. D.* 016.33 R15

127 A bibliography of economics. [2],88 p. O. Cambridge: J. Wilson & Son, 1895.

Stammhammer, Josef. L016.336 S783

50275 Bibliographie der Finanzwissenschaft. Bearbeitet und herausgegeben von Josef Stammhammer . . . . Jena, G. Fischer, 1903.

vi, 415, [1] p. 26½cm.

Stammhammer, Josef. L016.335 S783

1306 Bibliographie des Socialismus und Communismus. 2 vol. Q. Jena: G. Fischer, 1893–1900.

Vol. 2 has subtitle: Nachträge und Ergänzungen bis Ende des Jahres 1898.

Bibliographie. 016.331 B47 016.331 Labor

39243 Bibliographie der Arbeiterfrage . . . . Nach Materien geordnet. Beiheft zum "Arbeiterfreund." . . . . Berlin, L. Simion, 1902–.

Continued from 1901. 24½cm.

Johns Hopkins University. *Economic Seminary.* L016.331 J62

59828 A trial bibliography of American trade-union publications. Prepared by the Economic Seminary of the Johns Hopkins University. Edited by George E. Barnett, ... Second edition. Baltimore, The Johns Hopkins Press, 1907.

[2], 139 p. 25½cm.

Marot, Helen. 016.33 M34

18526 A handbook of labor literature. Being a classified and annotated list of the more important books and pamphlets in the English language. vi,96 p. D. Philadelphia: Free Library of Economics & Political Science, 1899.

016.331 Bibliographies of labor

U. S. A. *Department of Labor.* **016.331 U58**

34116 Index of all reports issued by bureaus of labor statistics in the United States prior to March 1, 1902. Prepared under the direction of Carroll D. Wright, Commissioner of Labor, for the use of the Department of Labor. 287 p. O. Washington 1902.

016.34 Law

Jones, Leonard Augustus. **Lo16.34 J72**

21989 An index to legal periodical literature. 2 vol. Q. Boston: [vol. 1], C. C. Soule, vol. 2, Boston Book Co., 1888–1899.

Contents: [Vol. 1. Prior to January 1887.] xix,635 p. 1888. Vol. 2. 1887–1899. xvii,607 p. 1899.

016.35 Politics and Government

Hart, Albert Bushnell, 1854– **320.973 Q302**

50278 . . . . Actual government as applied under American conditions. By Albert Bushnell Hart . . . . New York, London, [etc.], Longmans, Green, and Co., 1903.

xliv, 599 p. front., plates, maps, table. 20½cm. (American citizen series.)
"Select bibliography of American government," p. [xiii]–xxxiv.

016.352 Municipalities.

Brooks, Robert Clarkson. **016.352 B791**

29087 . . . . A bibliography of municipal problems and city conditions. By Robert C. Brooks. Second edition — revised and enlarged Complete to January 1st, 1901. New York, Reform Club; London, P. S. King & Son, [etc.], [c1901].

viii, 346 p. 23½cm. (Municipal affairs. . . . . Vol. v, no. 1. March, 1901.)
Supplemented by quarterly lists in Municipal affairs.

Gross, Charles. **016.352 G91**

14097 A bibliography of British municipal history including gilds and parliamentary representation. xxxiv,461 p. O. [HARVARD UNIVERSITY. Harvard historical studies, vol. 5.] New York: Longmans, Green, & Co., 1897.

016.353 U. S. documents

U. S. A. *Library of Congress.*

66057 a Card index for U. S. and state documents. Washington, 1906–.

Continued from no. 1, 1906.

U. S. A. *Government Printing Office.* **016.353 U58**

3022 *Superintendent of Documents.*

Checklist of public documents, containing debates and proceedings of Congress, from the first to the fifty-third Congress, together with miscellaneous lists of documents, and historical and bibliographical notes. Second edition, revised and enlarged. Issued by F. A. Crandall. 222 p. O. Washington 1895.

U. S. A. *Government Printing Office.* **Lo16.353 U5835**

60881 *Superintendent of Documents.*

. . . . Third edition of Checklist of United States public documents. Issued by the Superintendent of Documents. Washington, Gov't Print. Off., 1907–.

Pt. 1–. 29½cm.
At head of title: Advance sheets.
Printed and numbered on only one side of the leaves.

U. S. A. *Government Printing Office.* **L016.353 U5831** 016.353 Catalogues of U. S. documents
62473 *Superintendent of Documents.*

Tables of and annotated index to the congressional series of United States public documents. Prepared in the office of the Superintendent of Documents, Government Printing Office. Washington, Gov't Print. Off., 1902.

769 p. 29x23cm.

Pt. 2 of "A complete list of public documents" to be "published in three parts ... and ... then ... consolidated and published in one volume with a general index .... Contains a list of, and an index to, the documents of the Fifteenth to the Fifty-second Congress, both inclusive." Pts. 1 and 3 not yet published. (Dec. 1903.)

Contents. — Preface. — Congressional series tables. — Congressional series index. — Appendixes: 1. Table showing number of documents. 2. List of title-pages and imprints. 3. Reference table: duration of sessions, etc.

U. S. A. *Government Printing Office.* **016.353 U5825**
63764 *Superintendent of Documents.*

Numerical tables and schedule of volumes of the documents and reports of ... Congress. Compiled under the direction of the Superintendent of Documents. Washington, Gov't Print. Off., 1908.

Continued. 23½cm.

The matter contained in these tables will appear eventually in the Document index — this publication is kept on file only until the Index is received.

Poore, Benjamin Perley. **L016.353 P79**
*2587 A descriptive catalogue of the government publications of the United States, September 5, 1774–March 4, 1881. Compiled by order of Congress. iv,1392 p. sq.Q. Washington 1885.

Ames, John Griffith, 1834– **L016.353 U5823**
62010 .... Comprehensive index to the publications of the United States government, 1881–1893, by John G. Ames, chief of Document Division, Department of the Interior .... Washington, Gov't Print. Off., 1905.

2 vol. 29cm. (58th Congress, 2d session. House. Doc. no. 754.)

Paged continuously; vol. 1: iv, [2], 804 p.; vol. 2: [2, 805]–1590 p.

A subject index, "compiled in compliance with the provisions of a joint resolution approved March 3, 1897, which directs the preparation 'of an index to all publications of the government from 1881, the date at which the Descriptive catalogue of government publications by Ben: Perley Poore terminates, to 1893, the date at which the index by the Superintendent of Documents begins, said index to conform in its general plan to [Ames'] Comprehensive index of government publications from 1889 to 1893,' published in 1894".

616.353 Catalogues of U. S. documents

U. S. A. *Government Printing Office.* **L016.353 U581**
1973 *Superintendent of Documents.*
Catalogue of the public documents of ... Congress and of all departments of the Government of the United States .... (Being the "Comprehensive Index" provided for by the act approved January 12, 1895.) Prepared under the supervision of the Superintendent of Documents, Government Printing Office. Continued from the Fifty-third Congress, March 4, 1893. Q. Washington 1896.

U. S. A. *Government Printing Office.* **016.353 U583**
5839 *Superintendent of Documents.*
Index to the subjects of the documents and reports and to the committees, senators, and representatives presenting them. .... (Being the "consolidated index" provided for by the act of January 12, 1895.) Compiled under the direction of the Superintendent of Documents. Continued from [no. 1]. 54th Congress. Dec. 1895–June 1896. O. Washington 1897–.

Hickcox, John Howard. **016.353 H52**
15884 United States government publications. A monthly catalogue. Vol. 1–10. 1885–1894. O. Washington, D. C., 1885–1894.
No more published.

U. S. A. *Government Printing Office.* **016.353 U584**
12013 *Superintendent of Documents.*
Catalogue of United States public documents. Issued monthly by the Superintendent of Documents, Government Printing Office. Continued from [no. 1]. January, 1895. O. Washington 1895–.
No. 1–3 published under the title: Catalogue of publications issued by the Government of the United States ....

For bibliographies of Government publications on special subjects, see subject.

016.854 British parliamentary publications

King & Son, P. S., *London.* **L016.35442 K58**
50166 Catalogue of parliamentary papers, 1801–1900, with a few of earlier date. London, P. S. King & Son, [1904].
vii, [1], 317 p. 30 x 24cm.
Annotated subject index to "the most important papers, diplomatic correspondence, reports of commissions and select committees ... An amalgamation of a number of separate catalogues, dealing with special subjects, which have been issued by our firm during the last fifty years". — Publishers' note.
Compiled by Hilda Vernon Jones.

Great Britain. *Stationery Office.* **016.35442 G791**
29199 Quarterly list, ... , of parliamentary publications. Issued by H. M. Stationery Office .... London, 1898–.
Continued from 1897. 25cm.
1897–1900 omit: "by H. M. Stationery Office".

Bibliography. 016.37 B471 016.37 Bibliographies of education

37850 Bibliography of education . . . . Washington, Gov't Print. Off., 1900–.

Continued from 1899. 24½cm.

1899–1906 reprinted from the Educational review; 1907– published as Bulletin of the United States Bureau of Education.

Compiled by James Ingersoll Wyer, jr. and others.

1899–1906: New York.

Chamberlain, Arthur Henry. 016.371 C35

62980 Bibliography of the manual arts, by Arthur Henry Chamberlain . . . . Chicago, New York, A. Flanagan Company, [1902].

100 p. 19cm.

The compiler is "Professor of education and principal of the Normal school of manual training, domestic economy and art, Throop Polytechnic Institute. Author of eductaive [!] hand-work manuals."

Eastern Manual Training Association. 016.371 E13

39083 A selected bibliography relating to the theory and practice of manual training. Prepared and published by the Eastern Manual Training Association. [Allegheny, Pa.?], 1902.

53 p. 20½cm.

"The present bibliography is a third edition of that published in 1898 by the American Manual Training Association and extended in 1900 by the Eastern Manual Training Association."

Hall, Granville Stanley, & Mansfield, John M. 016.37 H14

3235 Hints toward a select and descriptive bibliography of education. Arranged by topics, and indexed by authors. xv,309 p. D. [Heath's pedagogical library.] Boston: D. C. Heath & Co., 1893.

McMurry, Charles Alexander, 1857– 372.3 Q402

64988 Special method in elementary science for the common school, by Charles A. McMurry, ... New York, London, The Macmillan Company, 1904.

ix, 275 p. 19½cm.

"Bibliography," p. 252–275.

Monroe, Will Seymour. 016.37 M75

8516 Bibliography of education. xxiv,202 p. D. (International education series, vol. 42.) New York: D. Appleton & Co., 1897.

U. S. A. *Department of the Interior. Bureau of Education.*

63218 a [Card index for educational publications. Washington, Library of Congress, 1908–.]

Continued from no. 1.

U. S. A. *Department of the Interior. Bureau of Education.* 016.353 U587

6795 Publications of the U. S. Bureau of Education, from 1867 to 1890, with subject-index. . . . . [2],1453–1551 p. O. Washington 1891.

Reprint of chapter 30 of the *Report of the Commissioner of Education for 1888–89.*

016.37 Bibliographies of education

Wilson, Louis N. **016.372 W69**

21938 Bibliography of child study. [2],49 p. O. Worcester, Massachusetts: Clark University Press, 1898.

Reprinted from *The Pedagogical seminary.*

———. Bibliography of child study. Continued from [1898]. O. Worcester, Massachussetts, 1899–.

016.385 Railroads

U. S. A. *Library of Congress.* **L016.385 U582**

63971 *Division of Bibliography.*

. . . . A list of books, with references to periodicals, relating to railroads in their relation to the government and the public. Compiled under the direction of Appleton Prentiss Clark Griffin, chief bibliographer. Second issue, with select list of recent works relating to government regulation and government ownership of railroads. Washington, Gov't Print. Off., 1907.

131 p. 26cm.

At head of title: Library ot Congress.

016.5 Science

Poggendorff, Johann Christian, 1796–1877. **L509.2 P75**

11820 Biographisch-literarisches Handwörterbuch zur Geschichte der exacten Wissenschaften. Enthaltend Nachweisungen über Lebensverhältnisse und Leistungen von Mathematikern, Astronomen, Physikern, Chemikern, Mineralogen, Geologen usw. aller Völker und Zeiten gesammelt von J. C. Poggendorff . . . . Erster–[vierter] Band. Leipzig, J. A. Barth, 1863–1904.

4 vol. in 5. 26cm.

Vol. 3–4 title reads: J. C. Poggendorff's Biographisch-literarisches Handwörterbuch . . . .

Vol. 3: (1858 bis 1883.) Herausgegeben von Dr. B. W. Feddersen und Prof. Dr. A. J. von Oettingen; vol. 4: (Die Jahre 1883 bis zur Gegenwart umfassend.) Herausgegeben von Prof. Dr. Arthur von Oettingen.

Congrès international de bibliographie des sciences

19035 **mathématiques.** *Commission permanente du répertoire.*

Répertoire bibliographique des sciences mathématiques. Continued from no. 1. Paris: Gauthiers-Villars, 1894–.

Card-index; filed in Reading Room.

016.526 Geodesy

Gore, James Howard, 1856– **L016.526 G661**

42144 . . . . Geodesy. A bibliography of geodesy. Second edition. By James Howard Gore, PH.D. . . . . Washington, Gov't Print. Off., 1903.

[2], 427–787 p. 30 x 22½cm. (Treasury Department. U. S. Coast and Geodetic Survey. . . . . Appendix no. 8 — Report for 1902.)

Another copy in the Report has shelf number **L526.0973 L100 1902**

U. S. A. *Treasury Department.* **L016.353 U5852**

36085 *Coast and Geodetic Survey.*

List and catalogue of the publications issued by the U. S. Coast and Geodetic Survey. 1816–1902. By E. L. Burchard, Librarian. 239 p. Q. Washington 1902.

Ronalds, *Sir* Francis. **016.537 R66** 016.53 Bibliographies of physics

2051 Catalogue of books and papers relating to electricity, magnetism, the electric telegraph, &c., including the Ronalds library. With a biographical memoir. Edited by Alfred J. Frost. (Published by the Society of Telegraph Engineers.) xxvii,564 p. O. London: E. & F. N. Spon, 1880.

Tuckerman, Alfred. **016.536 T79**

3059 Index to the literature of thermodynamics. v,239 p. O. (SMITHSONIAN INSTITUTION. Smithsonian miscellaneous collections, vol. 34.) Washington 1890.

Another copy in Smithsonian miscellaneous collections has shelf number **061.82 2 v.34**

Bolton, Henry Carrington. **016.54 B63** 016.54 Chemistry

1975 A select bibliography of chemistry . . . . With supplement 1–2. O. (SMITHSONIAN INSTITUTION. Smithsonian miscellaneous collections, vol. 36, 39, 41.) City of Washington 1893–1901.

Contents: [Section I–VII] 1492–1892. xiii,1212 p. 1893. First supplement. [Section I–V, VII] (1492–1897.) ix,489 p. 1899. [Second supplement] Section VIII. Academic dissertations. (1492–1897.) iv,534 p. 1901.

Another copy in Smithsonian miscellaneous collections has shelf number **061.82 2 v.36,39,41**

Van Nostrand's Chemical annual. **540.51 5**

56321 Van Nostrand's Chemical annual . . . . A hand-book of useful data for analytical, manufacturing, and investigating chemists, and chemical students. . . . . New York, D. Van Nostrand Company, 1907–.

Continued from vol. 1, 1907. front. (port.) 19cm.

Darton, Nelson Horatio. **016.557 D25** 016.55 Geology

23994 Catalogue and index of contributions to North American geology. 1045 p. O. (U. S. A. DEPARTMENT OF THE INTERIOR. GEOLOGICAL SURVEY. Bulletin, no. 127.) Washington 1896.

Another copy in the Bulletin has shelf number **557.3 8**

Kemp, James Furman. **553.1 Q001**

22694 The ore deposits of the United States and Canada. Third edition. Entirely rewritten and enlarged. xxiv,481 p. il. 14 p. of pl. 17 pl. O. New York: Scientific Publishing Co., 1900.

"General references on ore deposits", p. 74–84; other references in foot notes.

Schmeckebier, Laurence Frederick, 1877– **016.5578 S347**

62396 . . . . Catalogue and index of the publications of the Hayden, King, Powell, and Wheeler surveys: namely, Geological and Geographical Survey of the Territories, Geological Exploration of the Fortieth Parallel, Geographical and Geological Surveys of the Rocky Mountain Region, Geographical Surveys West of the One Hundredth Meridian; by L. F. Schmeckebier. Washington, Gov't Print. Off., 1904.

208, iii p. 23½cm. (U. S. Geological Survey. Bulletin no. 222.)
Subject series: G, Miscellaneous, 26.

016.55 Bibliographies of geology

U. S. A. *Department of the Interior. Geological Survey.* **016.5573 U58**

62024 . . . . The United States Geological Survey: its origin, development, organization, and operations. Washington, Gov't Print. Off., 1904.

205, iii p. illus., IX pl. (incl. 6 maps) 23½cm. (*Its* Bulletin no. 227. series G, Miscellaneous, 27.)

"Publications of the United States Geological Survey," p. 119–197.

"Geological survey publications on Alaska," p. [198]–202.

Another copy in Bulletin has shelf number **557.3 8 v.227**

U. S. A. *Department of the Interior. Geological Survey.*

56058 a Card index for U. S. Geological Survey publications. Washington, Library of Congress, 1906–.

Continued from no. 1, 1906.

Warman, Philip Creveling. **016.557 W23**

19033 Bibliography and index of the publications of the United States geological survey, with the laws governing their printing and distribution. 495 p. O. [U. S. A. DEPARTMENT OF THE INTERIOR. GEOLOGICAL SURVEY. Bulletin, no. 100.] Washington 1893.

Another copy in Bulletin has shelf number **557.3 8**

Warman, Philip Creveling. **016.557 W231**

30099 Catalogue and index of the publications of the United States Geological Survey, 1880 to 1901. 858 p. O. [U. S. A. DEPARTMENT OF THE INTERIOR. GEOLOGICAL SURVEY. Bulletin, no. 177.] Washington 1901.

Another copy in Bulletin of the United States Geological Survey has shelf number **557.3 8 v.177**

Warman, Philip Creveling. **016.557 W232**

50271 . . . . Catalogue and index of the publications of the United States Geological Survey 1901 to 1903, by Philip Creveling Warman. Washington, Gov't Print. Off., 1903.

234, iii p. 23½cm. (U. S. Geological Survey. Bulletin no. 215. Ser. G, Miscellaneous, 24.)

Supplemental to the "Catalogue and index" published in 1901, as Bulletin no. 177.

Another copy in Bulletin has shelf number **557.3 8 v.215**

Weeks, Fred Boughton. **016.557 W411**

36607 . . . . Bibliography and index of North American geology, paleontology, petrology, and mineralogy for the years 1892–[1905], inclusive, by Fred Boughton Weeks. Washington, Gov't Print. Off., 1902–1906.

2 vol. 23½cm. (Department of the Interior. Bulletin of the United States Geological Survey. No. 188, 189, 301.)

1892–1900 title reads: Bibliography of North American geology; index published separately as Bulletin no. 189, but bound with Bibliography.

Contents. — vol. 1. 1892–1900. — vol. 2. 1901–1905.

Another copy in the Bulletin has shelf number **557.3 8 v.188–189, 301**

Weeks, Fred Boughton. **016.557 W41** 016.55 Bibliographies of geology

47226 . . . . Bibliography and index of North American geology, paleontology, petrology, and mineralogy . . . . By Fred Boughton Weeks. Washington, Gov't Print. Off., 1896–.

Continued from 1892. 23½cm. (*Added t.-p.:* Department of the Interior. Bulletin of the United States Geological Survey . . .)

1900, 1905 not published separately, but material is included in Bibliography and index of North American geology, . . . , for the years 1892–1900, 1901–1905, which have shelf number **016.557 W411**

1892 and 1893 published together.

Another copy in the Bulletin has shelf number **557.3 8**

Hay, Oliver Perry. **016.566 H32** 016.56 Palæontology

39293 . . . . Bibliography and catalogue of the fossil vertebrata of North America, by Oliver Perry Hay. Washington, Gov't Print. Off., 1902.

868, iii p. 23½cm. (*Added t.-p.:* Department of the Interior. Bulletin of the United States Geological Survey no. 179.)

In three parts: "First, a bibliography which contains the titles [about 4,600] of all the books, memoirs, and papers, extended or brief, which the author has been able to consult . . . second, a systematically arranged list of all the species of fossil vertebrates which have been described . . . third, an index, alphabetically arranged, of all the systematic names occurring in the volume." — Pref.

Another copy in the Bulletin has shelf number **557.3 8 v.179**

Keyes, Charles Rollin. **016.56 K52**

23993 A bibliography of North American paleontology. 251 p. O. (U. S. A. DEPARTMENT OF THE INTERIOR. GEOLOGICAL SURVEY. Bulletin, no. 121.) Washington 1894.

Another copy in the Bulletin has shelf number **557.3 8**

Hasse, Adelaide Rosalia. **016.353 H271** 016.57 Natural history

18598 Reports of explorations printed in the documents of the United States government. (A contribution toward a bibliography.) 90 p. O. (U. S. A. GOVERNMENT PRINTING OFFICE. SUPERINTENDENT OF DOCUMENTS.) Washington 1899.

Hodge, Frederick Webb. **016.572 H661** 016.572 Anthropology and Ethnology

8467 List of publications of the Bureau of American Ethnology, with index to authors and titles. [New edition.] . . . . [2],ci–cxix p. O. Washington 1897.

Extract from the *Sixteenth annual report of the Bureau of American Ethnology.*

Ripley, William Zebina. **016.572 R48**

18757 A selected bibliography of the anthropology and ethnology of Europe. x,160 p. O. Boston: published by the Trustees of the Public Library, 1899.

Including the works on these subjects in the Boston Public Library.

Also published as [vol. 2] of The races of Europe, by the same author, which has shelf number **572.94 P900**

016.58 Bibliographies of botany

Harvard University. *Gray Herbarium.*

18213 Card-index of genera, species, and varieties of plants. Cambridge, Mass., 1885–.

Continued from no. 1, 1885.
Filed in Reading Room.
Issue 1–20, by Josephine Adelaide Clark, published in Washington.

Herbier Boissier, *Chambésy.*

63502 Index botanique universel des genres, espèces et variétés de plantes parus depuis le 1er janvier 1901 publié par le Bulletin de l'Herbier Boissier . . . . Chambézy, Suisse, [1902–].

Continued from no. 1, 1901.
Card index.
Continuation of Index Kewensis.

Jackson, Benjamin Daydon. **016.5816 J13**

62393 Vegetable technology; a contribution towards a bibliography of economic botany, with a comprehensive subject-index. By Benjamin Daydon Jackson. Founded upon the collections of George James Symons, F.R.S. London, published for the Index Society, by Longmans, Green & Co., [etc.], 1882.

xii, 355 p. 22½cm. (Index Society. Publications. XI.)

Torrey Botanical Club, *New York.*

18212 Bibliography of American Botany. Published monthly. Cambridge, Mass., 1894–.

Continued from vol. 1, 1894.
Card index; filed in Reading Room.
Vol. 1–6 published by Cambridge Botanical Supply Company.
Reprinted from Bulletin of the Torrey Botanical Club, vol. 21–.

016.59 Zoology

Concilium bibliographicum, *Zurich.*

18214 b Bibliographia zoologica. Zurich, 1896–.

Continued from 1896.
H. H. Field, director.
Card index arranged according to the Decimal classification; covers classes **560** (except **561**), **575**, **590** and **611**

Carus, Julius Victor, & Engelmann, Wilhelm. **016.59 C25**

2214 Bibliotheca zoologica. Verzeichniss der Schriften über Zoologie, welche in den periodischen Werken enthalten und vom Jahre 1846–1860 selbständig erschienen sind. Mit Einschluss der allgemeinnaturgeschichtlichen, periodischen and palaeontologischen Schriften. 2 vol. O. [Bibliotheca historico-naturalis. Supplement-Band.] Leipzig: W. Engelmann, 1861.

Hagen, Hermann August. **016.5957 H12**

2128 Bibliotheca entomologica. Die Litteratur über das ganze Gebiet der Entomologie bis zum Jahre 1862. 2 vol. O. Leipzig: W. Engelmann, 1862–1863.

Taschenberg, Otto. 016.59 T18 016.59 Bibliographies of zoology

1349 Bibliotheca zoologica II. Verzeichniss der Schriften über Zoologie, welche in den periodischen Werken enthalten und vom Jahre 1861–1880 selbständig erschienen sind. Mit Einschluss der allgemein-naturgeschichtlichen, periodischen und palæontologischen Schriften. Vol. 1–. O. Leipzig: W. Engelmann, 1887–.

Thompson, D'Arcy Wentworth, *jr.* 016.592 T37

50248 A bibliography of protozoa, sponges, cœlenterata, and worms, including also the polyzoa, brachiopoda and tunicata, for the years 1861–1883. By D'Arcy W. Thompson ... Edited for the syndics of the University Press. Cambridge, The University Press, 1885.

viii, 284 p. 23cm.

"It is meant to link on to the great bibliographical work of Carus and Engelmann, and to cover the time from the publication of their list to the close of 1883." — Pref.

U. S. A. *Department of Agriculture.* 016.5957 U58

30512 *Division of Entomology.*

Bibliography of the more important contributions to American economic entomology. .... Vol. 1–7. O. Washington [1889]–1901.

Vol. 1–5, by Samuel Henshaw; vol. 6–7, by Nathan Banks.

Vol. 1–3 published together.

Galloupe, Francis Ellis. 016.6 G13 016.6 Technology

5123 An index to engineering periodicals, 1883 to [1892], inclusive. Comprising engineering; railroads; science; manufactures and trade. 2 vol. O. Boston 1888–1893.

Vol. 2 published under the title: Galloupe's general index to engineering periodicals.

Engineering index. 016.6 E57

11565 The Engineering index. .... Vol. 1, Chicago, Association of Engineering Societies; vol. 2–4, New York, London, Engineering Magazine, c1892–1906.

Vol. 1–4. 24cm.

Vol. 1 title reads: Descriptive index of current engineering literature.

Vol. 1–2 edited by J. B. Johnson; vol. 3, by Henry Harrison Suplee; vol. 4, by H. H. Suplee, J. H. Cuntz and C. B. Going.

Vol. 1–2 originally published in the Journal of the Association of Engineering Societies; vol. 3 re-edited from The Engineering magazine.

The current volumes of the monthly Engineering index, reprinted (on only one side of the leaves) from The Engineering magazine, are shelved with the above.

"Succeeding volumes will be published annually."

Contents. — vol. 1 index for 1884–1891; vol. 2, for 1892–1895; vol. 3, for 1896–1900; vol. 4, for 1901–1905.

Engineering index. 016.6 E571

56359 Engineering index annual .... Compiled from The Engineering index published monthly in The Engineering magazine .... New York and London, The Engineering magazine, 1907–.

Continued from 1906. 24cm.

Continuation of The Engineering index, vol. 1–4, 1884–1905.

016.6 Bibliographies of technology

Haferkorn, Henry Ernest. **016.6 H11**

62026 Handy lists of technical literature. Reference catalogue of books printed in English from 1880 to 1888 inclusive; to which is added a select list of books printed before 1880 and still kept on publishers' and jobbers' lists. Compiled by H. E. Haferkorn and Paul Heise. Part 1–[VI] .... Milwaukee, National Publishing and Printing Co.; [etc., etc.], 1889–1893.

6 vol. in 1. 23½ x 24cm.

Pts. 1–2 and 3 compiled by H. E. Haferkorn and Paul Heise; pts. 2a, 4–6, by H. E. Haferkorn.

Pts. 1–2: National Publishing and Printing Co.; pt. 3: Heise & Haferkorn; pts. 2a, 4–6: H. E. Haferkorn.

Contents.—pt. 1. Useful arts in general, products and processes used in manufacture, technology and trades. 1889. *And* Key [to publishers].—pt. 2. Military and naval science ... with list of non-technical books illustrating soldier and sailor life ... 1890. *And* Key [to publishers].—pt. 2a. Electricity and magnetism. 1890. *And* Key [to publishers].—pt. 3. Engineering and mechanics. 1890. *And* Key [to publishers].—pt. 4. Mines and mining ... mineralogy, geology, etc. 1891. *And* Key [to publishers].—pts. 5–6. Fine arts and architecture. 1893.

Prussia. *K. Ministerium der öffentlichen Arbeiten.* **017.43 P95**

8412 Katalog der Bibliothek des Königl. Ministeriums der öffentlichen Arbeiten. Berlin, J. Springer, 1897.

xiv, [2], 666 p. 24cm.

——— ———. .... Nachtrag .... Berlin, 1899–.

Continued from no. 1, 1897–1898. 24cm.

No. 2 has subtitle: Mit einem den Hauptkatalog und beide Nachträge umfassenden alphabetischen Inhalts-Verzeichnis.

Repertorium. **L016.6 R29**

3419 Repertorium der technischen Literatur die Jahre 1823 bis einschl. 1853 umfassend. .... Bearbeitet von Dr. Schubarth. Herausgegeben im Auftrage des Königlichen Ministeriums für Handel, Gewerbe und öffentliche Arbeiten. xvi,1049 p. O. Berlin: Deckersche Hofbuchdruckerei, 1856.

Repertorium. **L016.6 R291**

3421 Repertorium der technischen Journal-Litteratur. Herausgegeben im Kaiserlichen Patentamt. Continued from 1854. Q. Berlin 1871–.

Continuation of Repertorium der technischen Literatur, 1823–1853.

1854–1881 edited by Bruno Kerl; 1882–1885, by Rud. Biedermann; 1886–, by Dr. Rieth.

Contents: 1854–1868 in 2 vol.: vol. 1, A–K; vol. 2, L–Z; 1869–1873 in 2 vol.: vol. 1, A–K; vol. 2, L–Z; 1874– published annually.

From 1854 to 1878 published under the title: Repertorium der technischen Literatur. Neue Folge. Im Auftrage des Königlich preussischen Ministeriums für Handel, Gewerbe, und öffentliche Arbeiten ... ; from 1879 to 1894, Repertorium der technischen Journal-Literatur. Im Auftrage des Kaiserlichen Patentamtes herausgegeben.

1892– have also an English and French title-page.

U. S. A. *War Department. Engineers.* **016.627 U58** 016.62 Bibliographies of engineering

62035 ... Analytical and topical index to the reports of the chief of engineers and officers of the Corps of Engineers, United States army, 1866–1900 .... Compiled under the direction of Lieut. Colonel C. W. Raymond ... by John McClure .... Washington, Gov't Print. Off., 1902–1903.

3 vol. 23cm. (57th Congress, 2d session. House. Doc. no. 439)

On verso of t.-p.: War Department, Document no. 165.

Paged continuously; vol. 1: 638 p.; vol. 2: 639–1371 p.; vol. 3: v, 1373–1788 p.

Embraces a consolidation of the indexes to reports, 1866–1892, published in 1881, 1889, and 1895.

Contents. — I–II. River and harbor works. — III. Fortifications, bridges, laws, miscellaneous, and topical index.

Greathouse, Charles Howard. **016.63 G79** 016.63 Agriculture

63991 .... Index to Farmers' bulletins. Nos. 1–250. Prepared by Charles H. Greathouse .... Washington, Gov't Print. Off., 1907.

148 p. 23cm. (U. S. Department of Agriculture. Division of Publications. Bulletin 8.)

Another copy in Bulletin has shelf number **630.51 32**

Thompson, George Fayette. **016.636 T37**

34013 Index to literature relating to animal industry in the publications of the Department of Agriculture, 1837 to 1898. 676 p. O. (U. S. A. DEPARTMENT OF AGRICULTURE. DIVISION OF PUBLICATIONS. Bulletin, no. 5.) Washington 1900.

Another copy in Bulletin has shelf number **L630.51 32**

U. S. A. *Department of Agriculture.*

14331 Card index to the publications of the Department. Continued from no. 1. Washington 1899–.

Filed in Reading Room.

U. S. A. *Department of Agriculture.* **016.5957 U58**

30512

Division of Entomology.

.... Bibliography of the more important contributions to American economic entomology. .... Washington, Gov't Print. Off., [1889]–1905.

Vol. 1–8. 23½cm.

At head of title: U. S. Department of Agriculture. Bureau of Entomology.

Vol. 1–5, by Samuel Henshaw; vol. 6–8 by Nathan Banks.

Vol. 1–3 published together.

Indexed in Card index to the publications of the Department.

U. S. A. *Department of Agriculture.* **016.63 U5831**

63990

Office of Experiment Stations.

.... List of publications of the agricultural experiment stations in the United States ⟨to June 30, 1906⟩. Washington, Gov't Print. Off., 1907.

104 p. 23cm. (U. S. Department of Agriculture. Office of Experiment Stations. Bulletin 180.)

016.63 Bibliographies of agriculture

U. S. A. *Department of Agriculture.*
18210 *Office of Experiment Stations.*

a Subject index of literature of agricultural experiment stations and kindred institutions. Washington, 1888–.

Continued from no. 1, 1888.
Card index; filed in Reading Room.
Classified Key has shelf number **016.63 U58**

U. S. A. *Department of Agriculture.* **016.63 U583**
36644 *Office of Experiment Stations.*

Key to subject index of experiment station literature. . . . . Revised April 25, 1902. [4] p. O. (Circular no. 23 revised.) [Washington 1902.]

U. S. A. *Department of Agriculture. Library.*
63859 Card index for articles in: Annales de la science agronomique, 1884–; Landwirthschaftliche Jahrbücher, 1872–; Die landwirthschaftlichen Versuchs-Stationen, 1859–. Washington, 1904–.

Continued.

U. S. A. *Department of Agriculture.* **016.63 U582**
50259 *Division of Publications.*

. . . . Index to the annual reports of the U. S. Department of Agriculture for the years 1837 to 1893, inclusive. Washington, Gov't Print. Off., 1896.

252 p. 23cm. (*Its* Bulletin, no. 1.)
Compiled by George F. Thompson.
Another copy in Bulletin has shelf number **630.51 32**

U. S. A. *Department of Agriculture.* **016.63 U5823**
39569 *Division of Publications.*

... Index to the yearbooks of the U. S. Department of Agriculture, 1894–1900. Prepared by Charles H. Greathouse, ... Washington, Gov't Print. Off., 1902.

196 p. 23½cm. (U. S. Department of Agriculture, Division of Publications—Bulletin no. 7.)
Another copy in Bulletin has shelf number **630.51 32 v.7**

U. S. A. *Government Printing Office.* **016.63 U585**
61956 *Superintendent of Documents.*

. . . . List of publications of the Agriculture Department, 1862–1902, with analytical index. Prepared in the Office of the Superintendent of Documents, Government Printing Office. Washington, Gov't Print. Off., 1904.

623 p. 23cm. (Bibliography of United States public documents. Department list no. 1.)
Preface signed by William Leander Post.
"Classification [of the public documents library] explained," p. 8–15.
Another copy in **016.353 U5822**

Society of Chemical Industry. **L016.66 S678** 016.66 Bibliography of chemical technology

63699 Decennial index of the Journal of the Society of Chemical Industry. Vols. XV. to XXIV. 1896–1905. Part I. Authors' names. Part II. Subjects. This general collective index has been compiled by F. W. Renaut, under the supervision and control of a committee .... London, Vacher and Sons, [1907]–1908.

2 vol. in 1. 27½cm.

Another copy shelved with set has shelf number **660.6282 1 v.0**

John Crerar Library. **L017.773 J614** 016.7 Art

40640 .... A list of books on industrial arts, October, 1903. Chicago, printed by order of the Board of Directors, 1904.

249 p. 28cm.

At head of title: The John Crerar Library.

Contents. — Bibliography. — Technical education. — Bookbinding. — Art. — Sculpture. — Decorative arts. — Painting. — Engraving. — Photography.

Sturgis, Russell, & Krehbiel, Henry Edward. **L016.7 S935**

6039 Annotated bibliography of fine art. Painting, sculpture, architecture, arts of decoration and illustration, by Russell Sturgis. Music, by Henry Edward Krehbiel. Edited by George Iles. [6], 89 p. Q. Boston: published for the American Library Association Publishing Section by the Library Bureau, 1897.

American Institute of Architects. **L016.72 A512** 016.72 Architecture

29756 Quarterly bulletin, containing an index of literature from the publications of architectural societies and periodicals on architecture and allied subjects. .... Continued from vol. I. 1900. Q. Washington, D. C. [1900–].

Edited by Glenn Brown.

Title-page for each number.

Baker, Ernest Albert. **016.8 B17** 016.8 Literature

50197 A descriptive guide to the best fiction, British and American, including translations from foreign languages; containing about 4500 references; with copious indexes and a historical appendix, by Ernest A. Baker .... London, S. Sonnenschein and Co., ltd.; New York, The Macmillan Co., 1903.

vii, 610 p. 20½cm.

Classified: A, English (by periods), Scottish, Irish, Colonial; B, American (by periods); C–L, translations (by languages); followed by an index of authors and titles, and one of subjects. Critical and descriptive notes; best or "representative" works are starred.

Granger, Edith, *ed.* **L016.82 G76**

65413 An index to poetry and recitations; being a practical reference manual for the librarian, teacher, bookseller, elocutionist, etc.; including over thirty thousand titles from three hundred and sixty-nine books, edited by Edith Granger, ... Chicago, A. C. McClurg & Co., 1904.

970 p. 27½cm.

016.9 Bibliographies of history

Adams, Charles Kendall. **016.9 A211**

204 A manual of historical literature, comprising brief descriptions of the most important histories in English, French, and German, together with practical suggestions as to methods and courses of historical study. . . . . Third edition, revised . . . . xxxviii,[2], 720 p. O. New York: Harper & Brothers, 1889.

Bourne, Henry Eldridge, 1862– **907 Q200**

50207 . . . . The teaching of history and civics in the elementary and the secondary school, by Henry E. Bourne . . . New York, London, [etc.], Longmans, Green, and Co., 1902.

viii, [2], 385 p. 20½cm. (American teachers series.)

Bibliography at head of chapters.

016.92 Biography and portraits

A. L. A. portrait index. **016.92 A111**

61933 . . . A. L. A. portrait index. Index to portraits contained in printed books and periodicals, compiled with the cooperation of many librarians and others for the Publishing Board of the American Library Association. Edited by William Coolidge Lane . . . and Nina E. Browne . . . . Washington, Gov't Print. Off., 1906.

lxxiv, [2], 1600, [2] p. 25cm.

At head of title: Library of Congress.

Pittsburg. Carnegie Library. **016.92 P685**

50195 Contemporary biography, references to books and magazine articles on prominent men and women of the time; compiled by Agnes M. Elliott. Pittsburg, Carnegie Library, 1903.

171 p. 23cm.

"Appeared first in the Monthly bulletin . . . from May, 1899, to November, 1900 . . . revised and brought down to Sept. 1, 1902."

Classed lists with index of names.

016.942 English history

Gross, Charles. **016.942 G91**

27502 The sources and literature of English history from the earliest times to about 1485. xx,618 p. O. London: Longmans, Green, & Co., 1900.

016.97 American history

Channing, Edward, & Hart, Albert Bushnell. **016.973 C36**

28848 Guide to the study of American history. xvi,471 p. D. Boston, U. S. A.: Ginn & Co., 1896.

Hart, Albert Bushnell, 1854– **016.973 H25**

50251 Handbook of the history, diplomacy, and government of the United States, for class use, by Albert Bushnell Hart . . . Cambridge, [Mass.], printed for the University, 1901.

[6], 449 p. 21½cm.

Contents. — Preliminary suggestions. — Materials. — Lectures. — Parallel readings. — Weekly papers. — Special reports. — Examinations.

International Bureau of the American Republics, 972 Q401 016.97 Bibliographies of American history
63992 *Washington, D. C.*

. . . . Mexico. Geographical sketch, natural resources, laws, economic conditions, actual development, prospects of future growth. Edited and compiled by the International Bureau of the American Republics. 1904. Washington, Gov't Print. Off., 1904.

454 p. 24 pl. 23½cm.

At head of title: International Bureau of the American Republics, Washington, D. C.

"Bibliography and cartography," p. 421–445.

Literature. 016.97 L32

50208 . . . The literature of American history. A bibliographical guide in which the scope, character, and comparative worth of books in selected lists are set forth in brief notes by critics of authority . . . . Edited for the American Library Association by J. N. Larned. Boston, Published for the American Library Association by Houghton, Mifflin & Co., 1902.

[2], ix, 596, [2] p. (incl. 8 p. book advertisements, at end.) 25cm. (American Library Association annotated lists.)

4145 titles, closely classified under six main heads: I. Sources. II. America at large. III. The United States. IV. The United States by sections. V. Canada. VI. Spanish and Portuguese America and the West Indies.

Appendix: Books suggested for a good school library, for a town library, for a good working library; by Edward Channing, p. 463–471.

"List of contributors," p. ix. "List of publishers," p. 473–477. Author and subject index, p. 479–588.

Literature. 016.97 L71

64576 . . . . Literature of American history. Supplement for 1900 and 1901; ed. by Philip P. Wells. Boston, published for the American Library Association by Houghton, Mifflin & Co., 1902.

[6], 37, [1] p. 25cm. (American Library Association annotated lists.)

An author alphabet; titles numbered 4146 to 4333.

Winsor, Justin, 1831–1897. 016.9733 W73

37452 The reader's handbook of the American revolution. 1761–1783. By Justin Winsor . . . . Boston, Houghton, Mifflin and Co., 1880, [c1879].

v, 328 p. 18cm.

"Like a continuous foot-note to all histories of American revolution." — Pref.

017 CATALOGUES OF LIBRARIES

Boston. *Public Library.* L017.744 B65

7582 A list of periodicals, newspapers, transactions, and other serial publications currently received in the principal libraries of Boston and vicinity. [4],143 p. Q. Boston 1897.

017 Catalogues of Libraries

Chicago Library Club. **017.773 C4399**

29939 A list of serials in public libraries of Chicago and Evanston. Corrected to January, 1901. Compiled by the Chicago Library Club. Chicago, 1901.

x, 185 p. 25cm.

Prepared under direction of a committee, C. W. Andrews, chairman.

Another copy, with Supplement corrected to April, 1903, has shelf number **017.773 C4396**

Another copy, with Supplement, second edition, corrected to November, 1905, has shelf number **017.773 C4397**

John Crerar Library. **L017.773 J613**

34640 A list of bibliographies of special subjects, July, 1902. 504 p. Q. Chicago 1902.

John Crerar Library. **L017.773 J61**

22663 A list of books in the reading room, January, 1900. 251 p. Q. Chicago 1900.

John Crerar Library. **L017.773 J612**

34146 A list of current periodicals in the Reading Room, June, 1902. 97 p. Q. Chicago 1902.

John Crerar Library, *Chicago.* **L017.773 J615**

44137 . . . . A list of cyclopedias and dictionaries, with A list of directories, August, 1904. Chicago, printed by order of the Board of Directors, 1904.

vi, 272 p. 27½cm.

At head of title: The John Crerar Library.

Philadelphia. Free Library. **L017.748 P539**

63391 . . . . A list of serials in the principal libraries of Philadelphia and its vicinity. Prepared by John P. Lamberton, ... Philadelphia, 1908.

xiv, 309 p. 26½cm. (Bulletin of the Free Library of Philadelphia, number 8.)

Another copy in Bulletin has shelf number **L010.51 16 v.8**

U. S. A. *Library of Congress. Division of Bibliography.* **L017.753 1**

28910 A union list of periodicals, transactions and allied publications currently received in the principal libraries of the District of Columbia. Compiled under the direction of A. P. C. Griffin, Chief of Division of Bibliography. v p. 315 f. sq.Q. Washington 1901.

Printed and numbered on only one side of the leaves.

020 LIBRARY ECONOMY

American Library Association. *Publishing Board.* **020.6103 5**

44139 . . . . Printed catalog cards. . . . . Revised list of periodicals and society publications for which printed catalog cards are being issued. [Boston], 1904.

8 p. 24cm.

Caption title.

At head of title: A. L. A. Publishing Board.

Brown, James Duff, 1862– **020.2 B813** 020 Library economy

64495 Manual of library economy. By James Duff Brown, ... With illustrations, forms, etc. Revised edition. London. The Library Supply Co., 1907.

xii, 422 p. 152 illus. 22cm.

"Reference list of authorities" accompanies some chapters.

Dana, John Cotton. **020.2 D191**

18873 A library primer. 180,[10] p. il. D. Chicago: Library Bureau, 1899.

Fletcher, William Isaac, 1844– **020.2 F631**

55794 ... Public libraries in America. By William I. Fletcher, ... Illustrated. Second edition. Boston, Little, Brown, and Co., 1899, [c1894].

[4], 169 p. front., 13 pl. 17½cm. (Columbian knowledge series. Number 11.)

Garnett, Richard. **020.4 G18**

19678 Essays in librarianship and bibliography. xiv,343 p. D. [Library series, vol. 5.] London: G. Allen, 1899.

Contents: Address to the Library Association. Public libraries and their catalogues. The printing of the British Museum catalogue. The past, present, and future of the British Museum catalogue. The British Museum catalogue as the basis of a universal catalogue. Introduction of European printing into the east. Paraguayan and Argentine bibliography. The early Italian book trade. Some book-hunters of the seventeenth century. Librarianship in the seventeenth century. The manufacture of fine paper in England in the eighteenth century. On some colophons of the early printers. On the system of classifying books on the shelves followed at the British Museum. Subject-indexes to transactions of learned societies. Photography in public libraries. The telegraph in the library. On the protection of libraries from fire. The sliding-press at the British Museum. On the provision of additional space in libraries. Preface to Blades' "Enemies of books". Sir Anthony Panizzi, K. C. B. The late John Winter Jones, V. P. S. A. The late Henry Stevens, F. S. A. The late Sir Edward A. Bond, K. C. B.

Graesel, Arnim, 1849– **020.2 G762**

50233 Handbuch der Bibliothekslehre, von Dr. Arnim Graesel . . . . Zweite, voellig umgearbeitete Auflage der „Grundzuege der Bibliothekslehre, Neubearbeitung von Dr. Jul. Petzholdts Katechismus der Bibliothekslehre." Mit 125 Abbildungen und 22 Schrifttafeln. Leipzig, J. J. Weber, 1902.

x, 583, [1] p. illus., plates, plans. 24cm.

Contents. — Einleitung: Begriff der Bibliothekswissenschaft. Litteratur. — 1. t. Von dem Gebaeude, den Beamten und Mitteln der Bibliothek. — 2. t. Vom Buecherschatz. — 3. t. Anhaenge, Nachtraege, Register. 1. Anhang: Vom bibliothekarischen Berufe. 2. Anhang: Bibliographische und biographische Litteratur. 3. Anhang: Wissenschaftliche Systeme und Numerierungsmethoden.

Greenwood, Thomas. **027.042 2**

1733 Public libraries: a history of the movement and a manual for the organization and management of rate-supported libraries. Fourth edition, revised . . . . xxxi,604 p. il. D. London: Cassell & Co., 1894.

020 Library economy

Macfarlane, John. 025 M16

15525 Library administration. x,244 p. D. [Library series, vol. 3.] London: G. Allen, 1898.

Plummer, Mary Wright. 020.2 P731

15132 Hints to small libraries. Second edition revised and enlarged. 67,[1] p. 25 il. O. New York: Truslove & Comba, 1898.

Wheatley, Henry Benjamin. 020.4 W56

6539 How to form a library. vii,248 p. D. [Book-lover's library.] London: E. Stock, 1886.

025.3 Cataloguing

Brown, James Duff, 1862– 012.2 B81

63350 A manual of practical bibliography. By James Duff Brown .... London, G. Routledge & Sons, ltd., [1906].

[8], 175 p. 17cm.

Cutter, Charles Ammi, 1837–1903. 025.3 C981

61957 .... Rules for a dictionary catalog, by Charles A. Cutter .... Fourth edition, rewritten. Washington, Gov't Print. Off., 1904.

173 p. 23cm. (U. S. Bureau of education. Special report on public libraries — pt. II.)

First issued as pt. 2 of the 1876 Special report; second edition, 1889; third edition, 1891.

Edited by W. P. Cutter.

"No liberties whatever have been taken with the manuscript left by the author .... The Appendix has been shortened by the omission of all rules [except those for imprint] and of the list of reference books. The articles on the cataloging of special material have been added [1. Manuscripts, by W. C. Ford. 2. Music, by O. G. Sonneck. 3. Maps and atlases, by P. Lee Phillips]."

025.4 Classification

Bibliographia sociologica. 016.3 B472

33566 Bibliographia sociologica. Sociologie et droit. Sozialwissenschaft und Recht. Sociology and law. Sommaire méthodique des traités et des revues, dressé conformément à la Classification décimale par H. La Fontaine and P. Otlet. (Publication patronnée par l'Office international de bibliographie.) [Part 1-3.] O. Bruxelles [1895].

No more published.

Cover reads: 1895. — 5e année.

Concilium bibliographicum, *Zurich.* 025.4 C745

37902 .... Conspectus methodicus et alphabeticus numerorum classificationis bibliographici auctoritate Instituti bibliographici internationalis Bruxellensis ampliatus a Concilio bibliographico. Palaeontologia — biologia generalis — microscopia — zoologia, 56–57–59. (English edition.) .... Turici, sumptibus Concilii bibliographici; Bruxelles, Office international de bibliographie, [etc.], 1902.

cover-title, 63, [1] p. 23½cm. (Office international de bibliographie. Publication no. 58 e.)

Founded on the Decimal classification of Melvil Dewey.

Congrès international de bibliographie des sciences mathématiques. *Commission permanente du répertoire.* **L025.4 C76** 025.4 Classification
21047
Index du Répertoire bibliographique des sciences mathématiques, publié par la Commission permanente du répertoire. Deuxième édition. xiv,93,[2] p. Q. Paris: Gauthier-Villars & fils, 1898.

Dewey, Melvil. **025.4 D513**
27511 Decimal classification and relativ index for libraries, clippings, notes, etc. Sixth edition. 612 p. O. Boston: Library Bureau, 1899.

Flint, Robert, 1838– **112 Q400**
61991 Philosophy as scientia scientiarum, and A history of classifications of the sciences; by Robert Flint ... . Edinburgh and London, W. Blackwood and Sons, 1904.
x, 340 p. 23½cm.

Richardson, Ernest Cushing. **025.4 R39**
50300 Classification, theoretical and practical ... . Together with an appendix containing an essay toward a bibliographical history of systems of classification. By Ernest Cushing Richardson .... New York, C. Scribner's Sons, 1901.
xiv, 248 p. 19cm. (The New York State Library School Association alumni lectures, 1900–1901.)

Richet, Charles Robert, 1850– **025.49591 R39**
63989 .... Conspectus methodicus et alphabeticus numerorum "Systematis decimalis" ad usum bibliographiae physiologicae confectus auctoritate Instituti bibliographici internationalis bruxellensis. Editio nova, ampliata sub auspiciis Prof. Caroli Richet ab Dr. H. Jordan. ⟨025.4:612⟩. Zurich, Concilium bibliographicum, 1905.
cover-title, 73 p. 23cm. (Office internationale de bibliographie. Publication no. 72e.)

U. S. A. *Department of Agriculture.* **016.63 U583**
36644 *Office of Experiment Stations.*
Key to subject index of experiment station literature. .... Revised April 25, 1902. [4] p. O. (Circular no. 23 revised.) [Washington 1902.]

U. S. A. *Library of Congress.* **L025.4 U5852**
61932 .... Classification. Class Q: Science. Preliminary, July 1, 1905. Washington, Gov't Print. Off., 1905.
172 p. 26cm.
Prefatory note signed: J. David Thompson, in charge, Science Section.
Additions and corrections to May 1, 1906, p. 171–172.

Greenwood, Thomas. **027.042 2** 027 General libraries
1733 Public libraries: a history of the movement and a manual for the organization and management of rate-supported libraries. Fourth edition, revised .... xxxi,604 p. il. D. London: Cassell & Co., 1894.

027 General libraries

International directory. 655.4 1

19562 The International directory of booksellers and bibliophile's manual. Including lists of the public libraries of the world, publishers, book collectors, learned societies and institutions, universities and colleges; also bibliographies of book and library catalogues, concordances, bookplates, etc., etc. Rochdale, London, [etc.], 1894–1906.

Vol. 4–7, 1894–1906. 18½cm.
Edited by James Clegg.
Subtitle varies.

Ogle, John J. 027.042 3

9200 The free library. Its history and present condition. xix,344 p. D. [Library series, vol. 1.] London: G. Allen, 1897.

027.07 Libraries of U. S.

Chicago Library Club. 027.0773 C439

48065 Libraries of the city of Chicago. With an historical sketch of the Chicago Library Club. [Chicago], The Chicago Library Club, 1905.

109 p. 9 pl., 2 ports. 20½cm.

Fletcher, William Isaac, 1844– 020.2 F631

55794 ... Public libraries in America. By William I. Fletcher, ... Illustrated. Second edition. Boston, Little, Brown, and Co., 1899, [c1894].

[4], 169 p. front., 13 pl. 17½cm. (Columbian knowledge series. Number 11.)

John Crerar Library. L027.0773 J61

18190 ... Annual report. Continued from no. 1. 1895. Q. Chicago 1897–.

John Crerar Library, *Chicago.* L027.0773 J610

63351 .... Handbook. 1907. Chicago, printed by order of the Board of Directors, 1907.

[2], 15 p. 26cm.
At head of title: The John Crerar Library.

U. S. A. *Department of the Interior. Bureau of Education.* 027.073 9

62023 .... Public, society, and school libraries. Washington, Gov't Print. Off., 1904.

cover-title, 759–1017 p. 23cm.
From the Report of the Commissioner of Education for 1903.

A. L. A. catalog. **016 A512** 028 Reading and aids

52403 . . . A. L. A. catalog. 8,000 volumes for a popular library, with notes. 1904. Prepared by the New York State Library and the Library of Congress, under the auspices of the American Library Association Publishing Board. Editor, Melvil Dewey . . . associate editors, May Seymour . . . Mrs. H. L. Elmendorf . . . . Washington, Gov't Print. Off., 1904.

2 vol. in 1. 24½cm.

At head of title: Library of Congress.

Contents. — Publisher's preface. Note of the A. L. A. Publishing Board. Editorial preface. Abbreviations. — pt. 1. Class list: Synopsis of Decimal classification. Class list. Public documents. Subject index. — pt. 2. Dictionary catalog: Explanatory note. Synopsis of Expansive classification. Dictionary catalog.

Also issued in two parts: Pt. 1. Class list, with synopsis of Decimal classification and Subject index. — Pt. 2. Dictionary catalog, with synopsis of Decimal and Expansive classifications.

Baker, Ernest Albert. **016.8 B17**

50197 A descriptive guide to the best fiction, British and American, including translations from foreign languages; containing about 4500 references; with copious indexes and a historical appendix, by Ernest A. Baker . . . . London, S. Sonnenschein and Co., ltd.; New York, The Macmillan Co., 1903.

vii, 610 p. 20½cm.

Classified: A, English (by periods), Scottish, Irish, Colonial; B, American (by periods); C–L, translations (by languages); followed by an index of authors and titles, and one of subjects. Critical and descriptive notes; best or "representative" works are starred.

Baldwin, James, *1841–.* **032 P501**

1208 A guide to systematic readings in the Encyclopædia Britannica. 316 p. O. Chicago: Werner Co., 1895.

Counsel. **028 C83**

26720 Counsel upon the reading of books. . . . . With an introduction by Henry Van Dyke. Boston and New York, Houghton, Mifflin & Co., 1901, [c1900].

306 p. 19cm.

"Papers . . . based upon lectures arranged by the American Society for the Extension of University Teaching, and delivered in Philadelphia in the winter of 1898–99." — Note.

"References" preceding each essay.

Contents. — Van Dyke, H. A preface on reading and books. — Stephens, H. M. History. — Repplier, A. Memoirs and biographies. — Hadley, A. T. Sociology, economics, and politics. — Matthews, B. The study of fiction. — Perry, B. Poetry. — Mabie, H. W. Essay and criticism.

Book review. **L016.005 B64**

49615 The Book review digest. ⟨Annual cumulation.⟩ . . . . Minneapolis, The H. W. Wilson Company, [1905–].

Continued from vol. 1, 1905. 25½cm.

Vol. 1 title reads: The Cumulative book review digest. Evaluation of literature.

Published monthly.

Koopman, Harry Lyman. **028 K83**

5724 The mastery of books. Hints on reading and the use of libraries. 214 p. D. New York: American Book Co., c. 1896.

Contains a chapter: Classified list of books.

028 Reading and aids

Kroeger, Alice Bertha. **016.028 K91**

50175 . . . . Guide to the study and use of reference books; a manual for librarians, teachers and students, by Alice Bertha Kroeger . . . . Issued by the Publishing Board of the American Library Association. Boston and New York, Houghton, Mifflin & Co., 1902.

viii, 104, [2] p. 25cm. (A. L. A. annotated lists.)

"Limited to those of a strictly reference character, and to the most useful works in the English language, with some exceptions in other languages."

Critical and bibliographical notes, "references," prices, etc. The section Bibliography (p. [65]–79) includes titles of works on Choice of books, Children's literature, and Library economy.

"Books and articles on reference books and reference work," p. [6]–8.

"Suggestive list of 100 reference books," p. [80]–82.

New international encyclopædia. **L031 Q402**

62004 Courses of reading and study in The new international encyclopædia. Editors: Daniel Coit Gilman, LL.D., Harry Thurston Peck, PH.D., L.H.D., Frank Moore Colby, M.A. New York, Dodd, Mead & Co., 1906.

[2], iv, [2], 275 p. 26cm.

"The preparation of this volume, carried on under the supervision of the editors, has been in the direct charge of Mr. Simeon Strunsky, of the staff of The new international encyclopædia." — Pref.

Pitman and Sons, *Sir* **Isaac,** *London.* **028 P68**

65478 Pitman's where to look, an easy guide to books of reference. London, Sir Isaac Pitman and Sons, ltd., 1907.

xviii, 151 p. 18cm.

Sonnenschein, [William] Swan. **L016 S699**

449 The best books. A reader's guide to the choice of the best available books (about 50,000) in every department of science, art and literature; . . . . A contribution towards systematic bibliography. . . . . Second edition. [18],cix,1009 p. Q. London: Swan Sonnenschein & Co., 1894.

Sonnenschein, [William] Swan. **L016 S6991**

450 A reader's guide to contemporary literature. Being the first supplement to The best books. . . . . [16],lxxiv,775 p. Q. London: Swan Sonnenschein & Co., 1895.

029 Literary methods

[Medlicott, Mary.] **029.4 M46**

60579 Abbreviations used in book catalogues . . . . Boston, Boston Book Company, 1906.

15 p. 21cm. (*Verso of t.-p.:* Bulletin of bibliography pamphlets, no. 15.)

"Compiled from a list in the Library journal, vol. 12, 1887, as prepared by E. H. Woodruff . . . with additions from publishers' catalogues and other sources." "Reprinted with additions from the Boston Book Company's Bulletin of bibliography, vol. 4, no. 6, January, 1906."

Another copy in Bulletin of bibliography pamphlets has shelf number **010.51 26 v.15**

Smith, Adèle Millicent. **655.2 Q200** 029 Literary methods

65480 Proof-reading and punctuation, by Adèle Millicent Smith .... Philadelphia, The author, 1902.

[2], xi, 181 p. front., 9 pl. 20cm.

030 ENCYCLOPEDIAS

031 AMERICAN

Americana. **L031 Q303**

53091 The Americana. A universal reference library comprising the arts and sciences, literature, history, biography, geography, commerce, etc., of the world. Editor-in-chief Frederick Converse Beach ... , managing editor George Edwin Rines. .... Issued under the editorial supervision of The Scientific American. Sixteen volumes. New York, Scientific American, Compiling Department, [c1903–1906].

16 vol. illus., plates (partly col.), ports., maps. 27cm.

Second edition of the Encyclopedia Americana.

Century cyclopedia of names. **L031 0901**

460 The Century cyclopedia of names. A pronouncing and etymological dictionary of names in geography, biography, mythology, history, ethnology, art, archæology, fiction, etc., etc., etc. Edited by Benjamin E. Smith. vii,1085 p. F. New York: Century Co., c. 1894.

Century dictionary. **L031 0900**

418 The Century dictionary. An encyclopedic lexicon of the English language. Prepared under the superintendence of William Dwight Whitney ... . New York, The Century Co., [c1889–1891].

6 vol. in 24. 33cm.

Encyclopædia Britannica. **L031 0302**

2494 American supplement to Encyclopædia Britannica. (Ninth edition.) A dictionary of arts, sciences, and general literature. 4 vol. il. pl. maps. Q. Philadelphia: Hubbard Publishing Co., 1894.

Binder's title: Encyclopædia Americana.

Encyclopædia Britannica. **L031 P700**

7900 New American supplement to the latest edition of the Encyclopædia Britannica. A standard work of reference in art, literature, science, history, ... Edited under the personal supervision of Day Otis Kellogg. .... 5 vol. paged continuously; vol. 1: 1–642 p.; vol. 2: [6],643–1308 p.; vol. 3: [6],1309–1974 p.; vol. 4: [8],1975–2632 p.; vol. 5: [6],2633–3269 p. il. Q. New York: Werner Co., 1897.

031 American encyclopedias

Frey, Albert Romer. 031 0800

990 Sobriquets and nicknames. iii,482 p. O. London: Whittaker & Co., [1887].

Harper's book of facts. L031 P501

3630 Harper's book of facts: a classified history of the world, embracing science, literature, and art. Compiled by Joseph H. Willsey, edited by Charlton T. Lewis. [4],954 p. il. Q. New York: Harper & Brothers, 1895.

Hopkins, Albert A 031 Q401

61954 Scientific American reference book, compiled by Albert A. Hopkins and A. Russell Bond. New York, Munn & Co., 1905, [1904].

viii, 516 p. col. front., illus., col. plates. 20½cm.

Iconographic encyclopædia. L031 O500

672 The Iconographic encyclopædia of the arts and sciences. Translated from the German of the Bilder-Atlas (Iconographische Encyclopædie), revised and enlarged by eminent American specialists. Published by special arrangement with the proprietor, F. A. Brockhaus, Leipzig, Germany. 7 vol. pl. maps. Q. Philadelphia: Iconographic Publishing Co., c. 1885–1890.

Jewish encyclopedia. L296 Q102

30533 The Jewish encyclopedia. A descriptive record of the history, religion, literature, and customs of the Jewish people from the earliest times to the present day. . . . . Isidore Singer, projector and managing editor. . . . . Vol. 1–. il. colored pl. facsim. Q. New York: Funk & Wagnalls Co., 1901–.

Jacobs, Joseph, 1854– L296 Q103

61924 The Jewish encyclopedia; a guide to its contents, an aid to its use, by Joseph Jacobs, D. LITT., revising editor. New York and London, Funk & Wagnalls Company, 1906.

xviii, 162 p. 18½cm.

New international encyclopædia. L031 Q200

33147 The new international encyclopædia. Editors, Daniel Coit Gilman, LL.D. . . . , Harry Thurston Peck, PH.D. . . . , Frank Moore Colby, M.A. . . . . Volume 1–[XVII]. New York, Dodd, Mead and Co., 1902–1904.

17 vol. illus., plates (partly col.), ports., maps (partly fold.), diagrs. 26cm.

Nineteenth century. 031 Q101

031 American encyclopedias

29314 The 19th century; a review of progress during the past one hundred years in the chief departments of human activity. ix,494 p. O. New York: G. P. Putnam's Sons, 1901.

Contents: 1. Law and government: Nott, C. C. The immutability of the constitution. Moore, J. B. Progress of international law in the century. 2. History: Sedgwick, A. G. English political development in the century. Smith, M. Germany in the nineteenth century. Coolidge, A. C. The expansion of Russia in the nineteenth century. Bourinot, Sir J. G. Canada in the nineteenth century. Lummis, C. F. Mexico. Griffis, W. E. The century's changes in China and Japan. 3. Sociology: Heilprin, L. Geographical conquests of the nineteenth century. White, H. The gold standard and gold production in the nineteenth century. Carnegie, A. Development of steel manufacture in the United States. Cutter, C. A. Library development. Alexander, J. W. The phenomenon of American life assurance. Howe, J. W. Changes in the legal and political status of woman. Catt, C. C. Women in the industries and professions. 4. Literature and the fine arts: Trent, W. G. American literature in the nineteenth century. Gosse, E. English literature in the nineteenth century. Towse, J. R. The American theatre in the nineteenth century. Finck, H. T. The musical century. Sturgis, R. Progress of American architecture. Cox, K. Painting in the nineteenth century. 5. Education and science: Carter, F. The century's growth in higher education. Palmer, A. F. Higher education of women. Pierce, C. S. The century's great men in science. Newcomb, S. The century's advance in astronomical science. Billings, J. S. The progress of medicine in the nineteenth century. Lodge, O. Scope and tendencies of physics. Lang, A. Psychical research of the century. Stephen, L. Evolution and religious conceptions. 6. Applied science: De Vinne, T. L. Printing in the nineteenth century. Nicol, J. The birth and progress of photography. Trowbridge, J. Progress of electricity from 1800 to 1900. 7. Transportation: Chamberlain, E. T. Development of the merchant marine. Hadley, A. T. Railroad economy in the nineteenth century. Midgeley, J. W. Equipment, organisation, and operation of railroads. 8. The science of war: Maclay, E. S. Development of the navy. Wilcox, C. DeW. Changes in military science.

Phyfe, William Henry Pinkney, 1855– 031 Q102

40890 5000 facts and fancies; a cyclopædia of important, curious, quaint, and unique information in history, literature, science, art and nature .... By William Henry P. Phyfe .... New York and London, G. P. Putnam's Sons, 1901.

vii, 816 p. 24cm.

Reddall, Henry Frederic. 031 Q902

875 Fact, fancy, and fable: a new handbook for ready reference on subjects commonly omitted from cyclopædias; .... 536 p. O. Chicago: A. C. McClurg & Co., 1892.

Smith, Henry Percy, *editor.* 031 P500

1775 A dictionary of terms, phrases, and quotations. The terms and phrases edited by the Rev. H. Percy Smith. The quotations compiled for the American edition by Helen Kendrick Johnson. x, 724 p. O. New York: D. Appleton & Co., 1895.

Thorne, Robert, *comp.* 031 Q903

14584 Fugitive facts. A dictionary of rare and curious information. A treasury of facts, legends, sayings and their explanation, obtained in large part from sources not generally accessible, and covering more than one thousand topics of general interest and frequent inquiry. Edited by Robert Thorne, M.A. New York, A. L. Burt, [c1889].

506 p. 19½cm.

031 American encyclopedias

Universal cyclopædia. **L031 P900**

20174 The Universal cyclopædia. A new edition prepared ... under the direction of Charles Kendall Adams. 12 vol. il. pl. maps. Q. New York: D. Appleton & Co., 1900.

This is a new edition of Johnson's Universal Cyclopædia.

Wheeler, William Adolphus, & Wheeler, Charles G. **031 0200**

6472 Familiar allusions: a hand-book of miscellaneous information, including the names of celebrated statues, paintings, palaces, country-seats, ruins, churches, ships, streets, clubs, natural curiosities, and the like. v,584 p. O. Boston: J. R. Osgood & Co., 1882.

031 American almanacs and year books

Canadian almanac. **031 1**

13081 The Canadian almanac and miscellaneous directory .... Containing full and authentic commercial, statistical, astronomical, departmental, ecclesiastical, educational, financial, and general information. .... Continued from no. 50. 1897. il. O. Toronto, c. 1896–.

Chicago daily news almanac. **031 5**

10570 The Chicago daily news almanac and year book. .... Chicago, [1892–].

Continued from vol. 8, 1892. illus. 20cm.

Vol. 8–17 title reads: The Daily news almanac and political register; vol. 18, The Daily news almanac and book of facts.

Vol. 11 wanting.

New international. **L031 15**

63447 The New international year book. A compendium of the world's progress .... New York, Dodd, Mead and Co., 1908–.

Continued from 1907. illus., plates, ports., maps. 26cm.

Edited by Frank Colby Moore.

In order to connect the New international year book with the former series of International year books, 1898–1902, brief summaries covering 1903–1906 appear in the volume for 1907. *cf.* Pref. 1907.

New York Tribune. **031 3**

17774 Tribune almanac and political register .... Continued from [no. 1]. 1838. D. New York [1854–].

The almanacs for 1838, 1843–1855 are published under the title: The Whig almanac ... ; for 1839–41: The Politician's register; for 1838–1854 they are photolithographic reproductions with a general title-page reading: The Tribune almanac ... 1838–1868, ... comprehending The Politician's register and The Whig almanac .... Vol. 1.

None published for 1842.

No title-page. Title taken from inside cover.

World almanac. **031 8**

1223 The World almanac and encyclopedia. .... New York, Press Publishing Co., [1891–].

Continued from 1891. 19cm.–20½cm.

1891–1893 title reads: The World almanac.

032 ENGLISH

Adams, William Davenport. 032 N800

5517 Dictionary of English literature: being a comprehensive guide to English authors and their works. Third edition. iv,708 p. O. London: Cassell, Petter & Galpin, [188–].

Brewer, Ebenezer Cobham. 032 O400

867 A dictionary of miracles, imitative, realistic, and dogmatic. xliv, 582 p. il. O. Philadelphia: J. B. Lippincott Co., 1889.

Brewer, Ebenezer Cobham, 1810–1897. 032 P401

62017 Dictionary of phrase and fable, giving the derivation, source, or origin of common phrases, allusions, and words that have a tale to tell, by the Rev. E. Cobham Brewer, LL.D. New edition, revised, corrected and enlarged, to which is added a concise bibliography of English literature. . . . . London, Cassell and Co., ltd., 1903.

[4], 1440 p. front. (port.) 1 facsim. 21½cm.

Brewer, Ebenezer Cobham. 032 P100

160 The historic note-book: with an appendix of battles. x, 997 p. O. Philadelphia: J. B. Lippincott Co., 1894.

Brewer, Ebenezer Cobham. 032 P800

27504 The reader's handbook of famous names in fiction, allusions, references, proverbs, plots, stories, and poems. A new edition revised throughout and greatly enlarged. viii,1243 p. O. Philadelphia: J. B. Lippincott Co., 1900.

Chambers' encyclopædia. L032 O800

434 Chambers' encyclopædia. A dictionary of universal knowledge. New edition. 10 vol. il. pl. maps. Q. London: W. & R. Chambers, 1888–1892.

Cox, *Sir* **George William,** *Bart.* 032 O200

1015 The little cyclopædia of common things. Tenth edition. [2], 660 p. il. O. London: Swan Sonnenschein & Co., 1894.

Encyclopædia Britannica. L032 N500

2099 The Encyclopædia Britannica. A dictionary of arts, sciences, and general literature. Ninth edition. 24 vol. and index. il. pl. maps. sq.Q. Edinburgh: A. & C. Black, 1875–1888.

032 English encyclopedias

Encyclopædia Britannica. **L032 Q200**

43149 The new volumes of the Encyclopædia Britannica, constituting, in combination with the existing volumes of the ninth edition, the tenth edition of that work, and also supplying a new, distinctive, and independent library of reference dealing with recent events and developments, the first–[eleventh] of the new volumes, being volume XXV–[XXXV] of the complete work. Edinburgh & London, A. & C. Black, 1902–1903.

11 vol. illus., plates, maps. 28½cm.–30½cm.

Vol. 10 has subtitle: Maps; vol. 11, title reads: An index to the complete Encyclopædia Britannica . . . .

Haydn, Joseph Timothy, 1786 *or* 7–1856. **032 Q400**

61907 Haydn's dictionary of dates and universal information relating to all ages and nations. By the late Benjamin Vincent. Revised and brought up to date by eminent authorities. Twenty-third edition, containing the history of the world to the end of 1903. London, Ward, Lock & Co., ltd., 1904.

vi, [6], 1487 p. 24½cm.

Progress of the century. **032 Q100**

27963 The progress of the century. . . . . iii,[1],582,[2] p. O. New York: Harper & Brothers, 1901.

Contents: Wallace, A. R. Evolution. Ramsay, W. Chemistry. Petrie, W. M. F.-. Archaeology. Lockyer, Sir J. N. Astronomy. Caird, E. Philosophy. Osler, W. Medicine. Keen, W. W. Surgery. Thomson, E. Electricity. Mendenhall, T. C. Physics. Dilke, Sir C. W. War. Mahan, A. T. Naval ships. Lang, A. Literature. Clarke, T. C. Engineering. Religion: Gibbons, J., Cardinal. Catholicism. Allen, A. V. G. Protestantism. Gottheil, R. J. H. The Jews and Judaism. Smith, G. Freethought.

Walsh, William Shepard. **032 P300**

1163 Handy-book of literary curiosities. 1104 p. O. London: Gibbings & Co., 1894.

032 English almanacs and year books

Annual register. **032 1**

12557 The Annual register. A review of public events at home and abroad . . . . London, Longmans, Green, and Co., 1759–.

1758–1824, continued from 1897. 20½cm.–23cm.

1758–1814, 1816–1824, title reads: the Annual register, or, A view of the history, politics and literature of the year . . . ; 1815, The New annual register, or General repository of history, politics, and literature . . . . To which is prefixed the history of knowledge, literature, taste and science, in Great Britain, during the reign of George III. 1758–1824 binder's title: Dodsley's Annual register.

1801–1810, 1897–, called new series.

Index for 1758–1792, 1758–1819 published separately in 3 vol.

1759, 1766: second edition.

"The Annual register was commenced by R. Dodsley and published by his house until 1790, when the stock and copyright were sold. The copyright . . . was purchased by Messrs. Rivington, the stock by Otridge and others, and each party published a distinct continuation of the Register." 1791–1824 of this copy consist of the continuation issued by Rivington with the exception of 1800, 1813, which are of Otridge's set, 1815, published by W. Stockdale and 1814, 1816–1819, by Baldwin, Cradock, and Joy.

Hazell's annual. 032 O600 032 English almanacs and year books

3857 Hazell's annual . . . . A cyclopædic record of men and topics of the day. . . . . Continued from [vol. 1]. 1886. maps. D. London 1886–.

Vol. 1–6, 1886–1891, edited by E. D. Price; vol. 10–, by Wm. Palmer.
Vol. 1–3 published under the title: Hazell's annual cyclopædia.

Statesman's year-book. 032 M400

5069 The Statesman's year-book: statistical and historical annual of the states of the world . . . . Continued from [vol. 1]. 1864. D. London 1864–.

Vol. 1–19 edited by Frederick Martin; vol. 20–, by J. Scott Keltie.
Published with various subtitles.

Whitaker, Joseph, *editor.* 032 M900

2822 An almanac . . . . Containing the usual astronomical and other phenomena. Also a large amount of information respecting the government, finances, population, commerce, and general statistics of the British Empire throughout the world, with some notice of other countries, &c., &c. Continued from [no. 1:] 1869. D. London: J. Whitaker, pref. 1868–.

033-039 OTHER ENCYCLOPEDIAS

Brockhaus' Konversations-Lexikon. L033 P200 033 German

639 Brockhaus' Konversations-Lexikon. Vierzehnte vollständig neubearbeitete Auflage. 17 vol. il. pl. maps, tables. Q. Leipzig: F. A. Brockhaus, 1892–1898.

Vol. 17 is Supplement and also called Revidierte Jubiläums-Ausgabe.

Meyers grosses Konversations-Lexikon. L033 Q200

36733 Meyers grosses Konversations-Lexikon. Ein Nachschlagewerk des allgemeinen Wissens. Sechste, gänzlich neubearbeitete und vermehrte Auflage. Vol. 1–. il. pl. colored pl. maps. Q. Leipzig: Bibliographisches Institut, 1902–.

Meyers Hand-Lexikon. 033 P300

1339 Meyers Hand-Lexikon des allgemeinen Wissens. Fünfte, gänzlich umgearbeitete Auflage. [2],1702,[2] p. D. Leipzig: Bibliographisches Institut, 1893.

Almanach. 034 I 034 French

33214 Almanach de Gotha. Annuaire généalogique, diplomatique et statistique. Gotha, J. Perthes, [préf. 1872–].

Continued from vol. 110, 1873. fronts., ports. 13cm.–15cm.
Vol. 111, title-page, vol. 112, 113, 114, 118, 120, 124, 126, 134, wanting.

034 French encyclopedias

Grande encyclopédie. **L034 O500**

42107 La grande encyclopédie, inventaire raisonné des sciences, des lettres et des arts, par une société de savants et de gens de lettres; sous la direction de MM. Berthelot ... Hartwig Derenbourg [etc.] .... Tome premier – [trente et unième]. Paris, H. Lamirault et c^ie^, [1886–1902].

31 vol. illus., col. plates, maps. 31^cm^.

Secrétaire général: vol. 1–18, F. Camille Dreyfus; vol. 23–31, André Berthelot.

Vol. 23–31 published by Société anonyme de La grande encyclopédie.

Larousse, Pierre. **L034 M500**

1197 Grand dictionnaire universel du xixe siècle français, historique, géographique, biographique, mythologique, bibliographique, littéraire, artistique, scientifique, etc. .... 17 vol. il. 1 por. sq.F. Paris [1864–1876].

Vol. 1–2, 4–6, 8–14, published under the title: Grand dictionnaire universel français, ...

Vol. 16 and 17 are supplements to the main work.

Nouveau Larousse. **L034 P801**

20974 Nouveau Larousse illustré. Dictionnaire universel encyclopédique publié sous la direction de Claude Augé. Tome premier – [septième]. .... Paris, Librairie Larousse, [1898–1905].

7 vol. illus., plates, maps. 32 x 24^cm^.

Vol. 1: added t.-p. engr.

——— ———. Supplément. 2780 gravures. — 92 tableaux. — 15 cartes. .... Paris, [1906].

[8], 646, [4] p. illus. 32 x 24^cm^.

038 Swedish

Nordisk familjebok. **L038 Q400**

63792 Nordisk familjebok, konversationslexikon och realencyklopedi. Ny, reviderad och rikt illustrerad upplaga. Redaktionskommitté: Leche, V., ... , Meijer, B., ... , Nyström, J. F., ... , Warburg, K., ... , Westrin, J. T., ... Hufvudredaktör: Bernhard Meijer, ... Stockholm, Nordisk familjeboks förlags aktiebolag, [1904–].

Vol. 1–. illus., plates. 25½^cm^.

040 GENERAL ESSAYS

Caird, John. **042 C12**

18108 University addresses: being addresses on subjects of academic study delivered to the University of Glasgow. [Edited by Edward Caird.] x,383 p. O. Glasgow: J. MacLehose & Son, 1898.

Contents: The unity of the sciences. The progressiveness of the sciences. Erasmus. Galileo. The scientific character of Bacon. David Hume. Bishop Butler and his theology. The study of history. The science of history. The study of art. The progressiveness of art. The art of public speaking. The personal element in teaching. General and professional education.

050 JOURNALISM

Bourne, Henry Richard Fox. 050.942 O700

5378 English newspapers. Chapters in the history of journalism. 2 vol. O. London: Chatto & Windus, 1887.

Dana, Charles Anderson. 050.4 D19

12388 The art of newspaper making. Three lectures. [4],114 p. D. New York: D. Appleton & Co., 1897.

Given, John La Porte, 1871– 050.2 Q700

64517 Making a newspaper, by John L. Given, late of the New York "Evening sun." New York, H. Holt and Co., 1907.
[2], iii, 325 p. 19½cm.

Hudson, Frederic, 1819–1875. 050.973 N200

5 Journalism in the United States, from 1690 to 1872. By Frederic Hudson. New York, Harper & Brothers, 1873, [c1872].
[4], xli, [43]–789 p. 22cm.

Jackson, Mason. 050.9 O500

1032 The pictorial press, its origin and progress. xii,363 p. 150 il. O. London: Hurst & Blackett, 1885.

The Times, *London.* L052 37

57566 The annual index to The Times. . . . . London, G. E. Wright, [1907–].
Continued from 1906. 25½cm.

060 SCIENTIFIC SOCIETIES

Becker, Bernard Henry. 062 4

12415 Scientific London. viii,340 p. D. New York: D. Appleton & Co., 1875.

Handbook. L060.9 Q800

63929 Handbook of learned societies and institutions. America. Washington, D. C., Carnegie Institution of Washington, 1908.
viii, 592 p. 26cm. (*On verso of t.-p.:* Carnegie Institution of Washington. Publication no. 39.)

Prepared under the supervision of the Librarian of Congress. The organization of the work was placed in charge of Mr. J. David Thompson of the Library Staff, who has personally edited this volume and seen it through the press, the material having been compiled under his direction by Mrs. Lucy C. Daniels Thompson, assisted by Miss Mary F. Griffin. Pending decision as to further publication, the remaining material relating to societies and institutions in the Old World will, for the present, be kept on file available for consultation at the Library of Congress. *cf.* Pref.

060 Scientific societies

Minerva. 378 1

1748 Minerva. Jahrbuch der gelehrten Welt. . . . . Continued from vol. 1. 1891–92. por. S. Strassburg 1892–.

Vol. 1–5 edited by R. Kukula and K. Trübner; vol. 6–7, by K. Trübner; vol. 8–9, by K. Trübner and F. Mentz; vol. 10–, by K. Trübner.

Vol. 1 published under the title: Minerva. Jahrbuch der Universitäten der Welt.

Rhees, William Jones. 016.061 S6641

3016 Catalogue of publications of the Smithsonian Institution, (1846–1882,) with an alphabetical index of articles in the Smithsonian contributions to knowledge, miscellaneous collections, annual reports, Bulletins and Proceedings of the U. S. National Museum, and Report of the Bureau of Ethnology. xiv,328 p. O. (SMITHSONIAN INSTITUTION. Smithsonian miscellaneous collections, vol. 27.) Washington 1882.

Another copy in Smithsonian miscellaneous collections has shelf number 061.82 2 v.27

Smithsonian Institution. 016.061 S6642

37920 . . . . List of publications of the Smithsonian Institution, 1846–1903. Part I. Complete list. Part II. Available for distribution. By William Jones Rhees. Washington City, 1903.

[8], 99 p. 24½cm. (Smithsonian miscellaneous collections.)

Another copy in Smithsonian miscellaneous collections has shelf number 061.82 2 v.44

Smithsonian Institution. 016.061 S664

3269 Publications of the Smithsonian Institution. May, 1896. I. Classified list. II. Numerical list. III. Tables. IV. Index. By William J. Rhees. iv,86 p. O. City of Washington 1896.

090 BOOK RARITIES

Hazlitt, William Carew, 1834– 090.9 Q400

62030 The book-collector: a general survey of the pursuit and of those who have engaged in it at home and abroad from the earliest period to the present time. With an account of public and private libraries and anecdotes of their founders or owners and remarks on bookbinding and on special copies of books. By W. Carew Hazlitt. London, J. Grant, 1904.

vii, 352 p. front., 1 pl. 20cm.

Caption and running title: History of book-collecting.

Madan, Falconer. 091 P300

2853 Books in manuscript: a short introduction to their study and use. With a chapter on records. xv,188 p. il. 8 pl. 1 facsim. O. [Books about books.] London: Kegan Paul, . . . & Co., 1893.

With an appendix: List of printed catalogues of manuscripts in European languages in the British Museum, the Bodleian Library at Oxford, the Cambridge University Library, etc.

Pennell, Joseph. 655.53 P501 095 Book illustration

4124 The illustration of books. A manual for the use of students, notes for a course of lectures at the Slade School, University College. xii,168 p. D. New York: Century Co., pref. 1895.

Pollard, Alfred William. 096 P300

135 Early illustrated books. A history of the decoration and illustration of books in the 15th and 16th centuries. xvi,256 p. 58 il. 1 facsim. O. [Books about books.] London: Kegan Paul, Trench, Trübner & Co., 1893.

Hardy, William J. 097 P300 097 Book-plates

2340 Book-plates. xvi,175 p. il. 34 pl. 3 por. O. [Books about books.] London: Kegan Paul, ... & Co., 1893.

Slater, John Herbert. 097 P801

17138 Book plates and their value. English and American plates. 241 p. 1 pl. O. London: H. Grant, 1898.

Vinycomb, John. 097 P400

6233 On the processes for the production of ex libris (book-plates). .... xii,96 p. il. 22 pl. D. London: A. & C. Black, 1894.

Reprinted from the *Journal of the Ex Libris Society* with additional illustrations.

100
PHILOSOPHY

Baldwin, James Mark, 1861– *ed.* L103 Q100

30320 Dictionary of philosophy and psychology. Including many of the principal conceptions of ethics, logic, aesthetics, philosophy of religion, mental pathology, anthropology, biology, neurology, physiology, economics, political and social philosophy, philology, physical science, and education, and giving a terminology in English, French, German and Italian. Written by many hands and edited by James Mark Baldwin ... with the co-operation and assistance of an international board of consulting editors. In three volumes with illustrations and extensive bibliographies. .... New York, London, The Macmillan Co., 1901–1905.

3 vol. in 4. illus., 8 pl. (1 col.) 27cm.

Two of the plates have illustrations on both sides.

Hyde, William DeWitt. 104 H99

13097 Practical idealism. xi,335 p. D. New York: Macmillan Co., 1897.

Contents: Part 1. The natural world. 1. The world of sense-perception. 2. The world of association. 3. The world of science. 4. The world of art. Part 2. The spiritual world. 5. The world of persons. 6. The world of institutions. 7. The world of morality. 8. The world of religion.

100 Philosophy

Külpe, Oswald. **102 P500**

8588 Introduction to philosophy. A handbook for students of psychology, logic, ethics, æsthetics, and general philosophy. Translated from the German (1895) by W. B. Pillsbury and E. B. Titchener. x,256 p. D. London: Swan Sonnenschein & Co., 1897.

Ladd, George Trumbull. **102 P001**

1575 Introduction to philosophy. An inquiry after a rational system of scientific principles in their relation to ultimate reality. xii, 426 p. O. New York: C. Scribner's Sons, 1890.

Rand, Benjamin, 1856– , *comp.* **L103 Q100 v.3**

50586 Bibliography of philosophy, psychology, and cognate subjects, compiled by Benjamin Rand, ... Part I–[II]. New York, London, The Macmillan Company, 1905.

2 vol. 27cm. (*In* Dictionary of philosophy and psychology . . . edited by James Mark Baldwin, vol. III, pt. I–II.)

Royce, Josiah. **104 R81**

21368 The world and the individual. Gifford lectures delivered before the University of Aberdeen. First series. The four historical conceptions of being. xvi,588 p. O. New York: Macmillan Co., 1900.

Royce, Josiah. **104 R811**

50281 The world and the individual; Gifford lectures delivered before the University of Aberdeen. Second series; nature, man, and the moral order, by Josiah Royce . . . . New York, London, The Macmillan Company, 1901.

xx, [2], 480 p. 21cm.

Contents. — The recognition of facts. — The linkage of facts. — The temporal and the eternal. Physical and social reality. — The interpretation of nature. — The human self. — The place of the self in being. — The moral order. — The struggle with evil. — The union of God and man.

109 History of philosophy

Erdmann, Johann Eduard. **109 N600**

30871 A history of philosophy. English translation edited by Williston S. Hough. . . . . 3 vol. O. [Library of philosophy.] London: Swan Sonnenschein & Co., 1897–1899.

Contents: Vol. 1. Ancient and mediæval philosophy. [Third edition.] xx,736 p. 1898. Vol. 2. Modern philosophy. [Fourth edition.] xvi,719 p. 1897. Vol. 3. German philosophy since Hegel. [Fourth edition.] [4],356 p. 1899.

Bound with vol. 3: KING, H. C. An outline of Erdmann's History of philosophy. . . . . 16 p. London 1899.

Höffding, Harald. **109 P500**

23026 A history of modern philosophy. A sketch of the history of philosophy from the close of the Renaissance to our own day. Translated from the German edition by B. E. Meyer. Authorised translation. 2 vol. O. London: Macmillan & Co., 1900

Schwegler, Albert. 109 K700 109 History of Philosophy

3546 Handbook of the history of philosophy. Translated and annotated by James Hutchison Stirling. Seventh edition. . . . . xviii, [2],486 p. D. Edinburgh: Edmonston & Co., 1879.

Ueberweg, Friedrich. 109 N100

5745 History of philosophy, from Thales to the present time. Translated from the fourth German edition, by George S. Morris. With additions by Noah Porter. With a preface by the editors of the Philosophical and theological library. 2 vol. O. [Philosophical and theological library.] New York: C. Scribner's Sons, 1887, c. 1871–1873.

Vol. 2 contains an appendix on English and American philosophy, by Noah Porter, and an appendix on Italian philosophy, by Vincenzo Botta.

Windelband, Wilhelm. 109 P801

50282 A history of philosophy; with especial reference to the formation and development of its problems and conceptions, by Dr. W. Windelband . . . authorized translation by James H. Tufts. . . . . Second edition, revised and enlarged. New York, London, The Macmillan Company, 1901.

xv, 726 p. 23½cm.

Benn, Alfred William. 109.38 O200 109.3 History of ancient Philosophy

17147 The Greek philosophers. 2 vol. O. London: Kegan Paul, Trench, & Co., 1882.

Windelband, Wilhelm. 109.3 P300

21299 History of ancient philosophy. Authorized translation by Herbert Ernest Cushman. From the second German edition. xv, 393 p. O. New York: C. Scribner's Son's, 1899.

"Bibliography," p. 385–388.

Zeller, Eduard. 109.38 O001

15496 A history of eclecticism in Greek philosophy. Translated from the German with the author's sanction by S. F. Alleyne. viii, 383 p. D. London: Longmans, Green, & Co., 1883.

"This is a translation of the second section of Dr. Zeller's 'Philosophie der Griechen, Dritter Theil, Erste Abtheilung.' "

Bradley, Francis Herbert, 1846– 110.2 P700 110 Metaphysics

61952 Appearance and reality; a metaphysical essay, by F. H. Bradley . . . . Second edition (revised), with an appendix. London, S. Sonnenschein & Co., ltd.; New York, The Macmillan Company, 1902.

xxiv, 628, [2] p. 24cm. (*Half-title:* Library of philosophy. . . . .)

Pearson, Karl. 110.2 Q002

28903 The grammar of science. Second edition, revised and enlarged. xviii,548 p. 33 il. O. London: A. & C. Black, 1900.

"Literature" follows each chapter.

112 Methodology

Flint, Robert, 1838– 112 Q400

61991 Philosophy as scientia scientiarum, and A history of classifications of the sciences; by Robert Flint .... Edinburgh and London, W. Blackwood and Sons, 1904.

x, 340 p. 23½cm.

Richardson, Ernest Cushing. 025.4 R39

50300 Classification, theoretical and practical .... Together with an appendix containing an essay toward a bibliographical history of systems of classification. By Ernest Cushing Richardson .... New York, C. Scribner's Sons, 1901.

xiv, 248 p. 19cm. (The New York State Library School Association alumni lectures, 1900–1901.)

121 Theory of knowledge

Hobhouse, Leonard Trelawney. 160.2 P602

6505 The theory of knowledge. A contribution to some problems of logic and metaphysics. xx,627 p. O. London: Methuen & Co., 1896.

Locke, John. 153 E2

9606 An essay concerning human understanding. Collated and annotated, with prolegomena, biographical, critical, and historical, by Alexander Campbell Fraser. 2 vol. por. O. Oxford: Clarendon Press, 1894.

Ormond, Alexander Thomas. 121 Q001

28251 Foundations of knowledge. .... xxvii,528 p. O. London: Macmillan & Co., 1900.

130 MIND AND BODY

Worcester, Elwood, 1862– 131 Q801

64533 Religion and medicine, the moral control of nervous disorders; by Elwood Worcester, D.D., PH.D., Samuel McComb, M.A., D.D. ... Isador H. Coriat, M.D. New York, Moffat, Yard & Co., 1908.

vii, [2], 427 p. 19½cm.

"The object of this book is to describe in plain terms the work in behalf of nervous sufferers which has been undertaken in Emmanuel church, Boston." — Introd.

"Some physical disorders having mental origin, by J. Warren Achorn," p. 389–411.

132 Mental derangements

Kerr, Norman. 132.7 P400

11532 Inebriety or narcomania, its etiology, pathology, treatment and jurisprudence. Third edition. xxxix,780 p. O. London: H. K. Lewis, 1894.

Mercier, Charles. 132.1 O900

3315 Sanity and insanity. xix,395 p. il. 1 pl. D. [Contemporary science series.] London: W. Scott, 1890.

Drähms, August. 132.9 Q001 132.9 Criminal anthropology

22656 The criminal: his personnel and environment. A scientific study. With an introduction by Cesare Lombroso. xiv,[2],402 p. D. New York: Macmillan Co. 1900.

"Alphabetical list of works upon criminology, in the English language," p. 391–394.

Ellis, Havelock. 132.9 Q101

31200 The criminal. Third edition, revised and enlarged. xxii,419 p. il. 21 pl. 6 p. of pl. D. [Contemporary science series, vol. 7.] London: W. Scott, 1901.

Ferri, Enrico. 364 P300

6110 Criminal sociology. xx,284 p. D. [Criminology series, vol. 2.] New York: D. Appleton & Co., 1896.

Morrison, William Douglas. 364 P100

5065 Crime and its causes. x,[2],236 p. D. [Social science series, vol. 27.] London: Swan Sonnenschein & Co., 1891.

Morrison, William Douglas. 364 P600

6035 Juvenile offenders. xx,317 p. O. [Criminology series, no. 3.] London: T. Fisher Unwin, 1896.

Travis, Thomas. 132.9 Q800

63974 The young malefactor; a study in juvenile delinquency, its causes and treatment, by Thomas Travis, PH. D.; with an introduction by the Honorable Ben B. Lindsey . . . . New York, T. Y. Crowell & Co., [1908].

[2], v–xxviii, 243, [2] p. XIII pl. on 7 l. 20½cm.
Plates printed on both sides.
"Bibliography," p. 233–235.

Brewer, Ebenezer Cobham. 032 Q400 132 Delusions, etc.

867 A dictionary of miracles, imitative, realistic, and dogmatic. xliv, 582 p. il. O. Philadelphia: J. B. Lippincott Co., 1889.

Lang, Andrew. 209.1 P800

13796 The making of religion. [8],380 p. O. London: Longmans, Green, & Co., 1898.

Parish, Edmund. 133.2 P700

8586 Hallucinations and illusions. A study of the fallacies of perception. xiv,[2],390 p. D. [Contemporary science series, vol. 32.] London: W. Scott, 1897.

A thoroughly revised edition, brought up to date, of the author's "Ueber die Trugwahrnehmungen," Leipzig 1894.

Podmore, Frank, 1856– 133.9 Q200 133.9 Spiritualism

50191 Modern spiritualism; a history and a criticism, by Frank Podmore . . . . London, Methuen & Co., 1902.

2 vol. 23cm.
Contents. — I. Introduction. book I. The pedigree of spiritualism. book II. Early American spiritualism. xviii, 307, [1] p. — II. book III. Spiritualism in England. book IV. Problems of mediumship. Summary and conclusion. xii, 374, [2] p.

135 Sleep and dreams

Scholz, Friedrich, *M. D.* **135 P300**

119 Sleep and dreams: a scientific-popular dissertation, from the German by H. M. Jewett; and The analogy of insanity to sleep and dreams, by Milo A. Jewett. 147 p. D. New York: Funk & Wagnalls Co., 1893.

136.3 Heredity

Ribot, Théodule. **136.3 O200**

6050 Heredity: a psychological study of its phenomena, laws, causes, and consequences. From the French. x,393 p. O. New York: D. Appleton & Co., 1895.

Thomson, John Arthur, 1861– **575.1 Q701**

62696 Heredity. By J. Arthur Thomson, ... London, J. Murray, 1908.

xvi, 605 p. illus., 10 pl. (partly col.), 5 diagr. 21½cm. (*On cover:* The progressive science series.)

"Bibliography," p. 539–596.

136.4 Racial characteristics

Ripley, William Zebina. **572.94 P900**

19069 The races of Europe. A sociological study. Accompanied by a supplementary bibliography of the anthropology and ethnology of Europe, published by the Public Library of the City of Boston. [2 vol.] il. pl. of por. maps. O. (Lowell Institute lectures.) New York: D. Appleton & Co., 1899.

[Vol. 2] is the bibliography, and has also been published separately under the title: A selected bibliography of the anthropology and ethnology of Europe; this has shelf number **016.572 R48**

"Special list of authorities on acclimatization", [vol. 1], p. 589–590.

138 Physiognomy

Mantegazza, Paolo, 1831– **138 P002**

49571 Physiognomy and expression. By Paolo Mantegazza, ... Third edition. London and Newcastle-on-Tyne, The W. Scott Publishing Co., ltd., 1904.

x, 327 p. incl. 1 diagr., VIII pl. 19cm. (*Half-title:* The contemporary science series. . . . .)

The VIII plates consist of 4 leaves with illustrations on both sides.

149.6 Pessimism

Sully, James. **149.6 N700**

2803 Pessimism; a history and a criticism. xv,477 p. O. London: H. S. King & Co., 1877.

150 PSYCHOLOGY

Baldwin, James Mark. **150.2 Q200**

50250 Social and ethical interpretations in mental development; a study in social psychology, by James Mark Baldwin . . . . Third edition, revised and enlarged. New York, London, The Macmillan Company, 1902.

xxiv, [2], 606 p. 22cm.

"Work crowned with the gold medal of the Royal Academy of Denmark."

Galton, Francis. 150.4 G13 150 Psychology

9003 Inquiries into human faculty and its development. xii,[2],387 p. il. 5 pl. O. New York: Macmillan & Co., 1883.

Harris, William Torrey. 150.2 P801

12857 Psychologic foundations of education. An attempt to show the genesis of the higher faculties of the mind. xxxv,400 p. D. (International education series, vol. 37.) New York: D. Appleton & Co., 1898.

Höffding, Harald. 150.2 P101

15840 Outlines of psychology. Translated by Mary E. Lowndes. xi, 365 p. D. [Macmillan's manuals for students.] London: Macmillan & Co., 1896.

James, William. 150.2 P001

129 The principles of psychology. 2 vol. 94 il. O. (American science series, advanced course.) New York: H. Holt & Co., 1890.

Judd, Charles Hubbard, 1873– 150.2 Q300

50196 . . . . Genetic psychology for teachers, by Charles Hubbard Judd . . . . New York, D. Appleton and Co., 1903.
xiii, 329 p. illus. 18½cm. (International education series [v. 55].)

Külpe, Oswald. 150.2 P300

7400 Outlines of psychology. Based upon the results of experimental investigation. Translated from the German (1893) by Edward Bradford Titchener. xi,462 p. 10 il. O. London: Swan Sonnenschein & Co., 1895.

Ladd, George Trumbull. 150.1 P501

10372 Philosophy of mind. An essay in the metaphysics of psychology. xiv,414 p. O. New York: C. Scribner's Sons, 1895.

Lotze, Hermann. 150.2 O100

7942 Outlines of psychology. Dictated portions of the lectures of Hermann Lotze. Translated and edited by George T. Ladd. ix,[2], 157 p. D. [LOTZE, H. Outlines of philosophy, vol. 4.] Boston, U. S. A.: Ginn & Co., c. 1886.

Ribot, Theodule. 150.9 Q600

74 German psychology of to-day: the empirical school. Translated from the second French edition by James Mark Baldwin. With a preface by James McCosh. xxi,307 p. O. New York: C. Scribner's Sons, 1886.

Romanes, George John. 150.2 O801

9870 Mental evolution in man. Origin of human faculty. viii,[2], 452 p. il. 1 table. O. London: Kegan Paul, Trench & Co., 1888.

150 Psychology

Spiller, Gustav. 150.2 Q204

50204 The mind of man; a text-book of psychology, by Gustav Spiller. London, S. Sonnenschein & Co., ltd; New York, The Macmillan Company, 1902.

xiv, [2], 552 p. 23½cm. (*Half-title:* Ethical series.)
"Index of publications," p. 532–552.

Stout, George Frederick. 150.2 P604

6314 Analytic psychology. 2 vol. O. London: Swan Sonnenschein & Co., 1896.

Stout, George Frederick. 150.2 P807

20748 A manual of psychology. xvi,643 p. D. (University tutorial series.) London: W. B. Clive, 1899.

Sully, James. 150.2 P201

6052 The human mind. A text-book of psychology. 2 vol. O. New York: D. Appleton & Co., 1892.

Sully, James. 150.4 S953

3092 Sensation and intuition: studies in psychology and æsthetics. xix, 372 p. il. O. London: H. S. King & Co., 1874.

Contents: 1. The relation of the evolution hypothesis to human psychology. 2. New theories of emotional expression. 3. Recent German experiments with sensation. 4. Belief: its varieties and its conditions. 5. The genesis of the free-will doctrine. 6. On some elements of moral self-culture. 7. The basis of musical sensation. 8. Aspects of beauty in musical form. 9. On the nature and limits of musical expression. 10. The æsthetic aspects of character. 11. The representation of character in art. 12. Lessing's Hamburg dramaturgy. 13. On the possibility of a science of æsthetics.

Sully, James. 150.2 P707

26945 The teacher's handbook of psychology, on the basis of "Outlines of psychology". Fourth edition, rewritten and enlarged. xvi, 590 p. D. New York: D. Appleton & Co., 1900.

Titchener, Edward Bradford. 150.2 P601

5586 An outline of psychology. xiv,352 p. 10 il. O. New York: Macmillan Co., 1896.

Titchener, Edward Bradford. 150.2 P805

17980 A primer of psychology. xvi,314 p. O. New York: Macmillan Co., 1898.

Wundt, Wilhelm. 150.2 P203

8156 Lectures on human and animal psychology. Translated from the second German edition by J. E. Creighton & E. B. Titchener. [Second edition.] x,459 p. 45 il. O. London: Swan Sonnenschein & Co., 1896.

Wundt, Wilhelm [Max], 1832– **150.2 Q110** 150 Psychology

38261 Outlines of psychology, by Wilhelm Wundt. Translated with the cooperation of the author by Charles Hubbard Judd, PH.D. (Leipzig) . . . . Second revised English edition from the fourth revised German edition. Leipzig, W. Engelmann; New York, G. E. Stechert, 1902.
xxii, 390 p. 22cm.

Bastian, Henry Charlton. **150.2 O001** 150.2 Physiological psychology

6793 The brain as an organ of the mind. xi,708 p. 184 il. D. New York: D. Appleton & Co., 1896.

Carpenter, William Benjamin. **150.2 N600**

9967 Principles of mental physiology, with their applications to the training and discipline of the mind, and the study of its morbid conditions. Seventh edition. lxiii,737 p. 17 il. O. London: Kegan Paul, ... & Co., 1896.

Ladd, George Trumbull. **150.2 O701**

1596 Elements of physiological psychology. A treatise of the activities and nature of the mind, from the physical and experimental point of view. xii,696 p. 114 il. O. New York: C. Scribner's Sons, 1887.

Ziehen, Theodor. **150.2 P501**

6727 Introduction to physiological psychology. Translated by C. C. Van Liew and Otto W. Beyer. Second edition, enlarged and improved. xiv,305 p. 22 il. D. [Introductory science text-books.] London: Swan Sonnenschein & Co., 1895.

Baldwin, James Mark. **150.2 P403** 150.2 Child study

13952 Mental development in the child and the race. Methods and processes. Second edition, corrected. xvi,496 p. 17 il. O. New York: Macmillan Co., 1898.

Compayré, Gabriel *i.e.* **Jules Gabriel**, 1843– **150.2 P607**

50230 . . . . Development of the child in later infancy; being part II of The intellectual and moral development of the child, by Gabriel Compayré ... translated from the French by Mary E. Wilson . . . . New York, D. Appleton and Co., 1902.
xxxi, 300 p. 18½cm. (*Half-title:* International education series, edited by W. T. Harris. vol. LIII.)
Series title also at head of t.-p.

Compayré, Gabriel. **150.2 P603**

6160 The intellectual and moral development of the child. Part I. Containing the chapters on perception, emotion, memory, imagination, and consciousness. Translated from the French by Mary E. Wilson. ix,[2],298 p. D. (International education series, vol. 35.) New York: D. Appleton & Co., 1896.

150.2 Child Study

Oppenheim, Nathan. 150.2 P802

14'57 The development of the child. viii,[2],296 p. D. New York: Macmillan Co., 1898.

Perez, Bernard. 150.2 O201

15654 The first three years of childhood. Edited and translated by Alice M. Christie. With an introduction by James Sully. xxiii, 295 p. D. (School bulletin publications.) Syracuse, N. Y.: C. W. Bardeen, 1894.

Preyer, Wilhelm. 150.2 P002

6133 Mental development in the child. Translated from the German by H. W. Brown. xxvi,170 p. D. (International education series, vol. 24.) New York: D. Appleton & Co., 1896.

Preyer, Wilhelm. 150.2 O400

6137 The mind of the child. . . . . Translated from the original German by H. W. Brown. 2 vol. il. D. (International education series, vol. 7, 9.) New York: D. Appleton & Co., 1896.

Contents: Vol. 1. The senses and the will. Vol. 2. The development of the intellect.

Sully, James. 150.4 S9531

6065 Studies of childhood. viii,527 p. 52 il. O. New York: D. Appleton & Co., 1896.

Contains a bibliography of child study.

152 Sense perceptions

Bernstein, Julius. 152 N500

6462 The five senses of man. xvii,304 p. 91 il. D. (International scientific series, vol. 21.) New York: D. Appleton & Co., 1893, pref. 1875.

Mach, Ernst. 152 P700

6019 Contributions to the analysis of the sensations. Translated by C. M. Williams. viii,[4],208 p. 37 il. O. Chicago: Open Court Publishing Co., 1897.

Sanford, Edmund Clark. 152 P800

16228 A course in experimental psychology. Part 1: Sensation and perception. [New edition.] viii,449 p. il. 1 pl. D. Boston, U. S. A.: D. C. Heath & Co., 1898.

"Bibliography," at the end of each chapter.

153 Understanding

Ladd, George Trumbull. 153 P700

7399 Philosophy of knowledge. An inquiry into the nature, limits, and validity of human cognitive faculty. xv,614 p. O. New York: C. Scribner's Sons, 1897.

Locke, John. 153 E2

9606 An essay concerning human understanding. Collated and annotated, with prolegomena, biographical, critical, and historical, by Alexander Campbell Fraser. 2 vol. por. O. Oxford: Clarendon Press, 1894.

Kay, David. 154 O800 154 Memory

6104 Memory: what it is and how to improve it. xxvi,[2],340 p. D. (International education series, vol. 8.) New York: D. Appleton & Co., 1895, c. 1888.

Bosanquet, Bernard. 157 P200 157 Aesthetics, Emotions

8762 A history of æsthetic. xxiii,502 p. O. [Library of philosophy.] London: Swan Sonnenschein & Co., 1892.
"Bibliography", p. 494-498.

Darwin, Charles. 591.51 N300

12 The expression of the emotions in man and animals. v,[2],374 p. il. 7 pl. O. New York: D. Appleton & Co., 1873.

Groos, Karl. 157 P903

28720 The play of man. Translated with the author's co-operation by Elizabeth L. Baldwin. With a preface by J. Mark Baldwin. ix, 412 p. D. New York: D. Appleton & Co., 1901.

Gurney, Edmund. L157 O001

10253 The power of sound. xi,[2],559 p. il. Q. London: Smith, Elder, & Co., 1880.

Hirn, Yrjö. 157 Q001

29169 The origins of art; a psychological & sociological inquiry. xi, 331 p. O. London: Macmillan & Co., 1900.
"Authorities quoted," p. 307-322.

Kedney, John Steinfort. 193.39 K23

15612 Hegel's Æsthetics. A critical exposition. xviii,302 p. D. [German philosophical classics for English readers and students.] Chicago: S. C. Griggs & Co., 1885.

Lotze, Hermann. 157 O400

7943 Outlines of æsthetics. Dictated portions of the lectures of Hermann Lotze. Translated and edited by George T. Ladd. viii, [2],113 p. D. [LOTZE, H. Outlines of philosophy, vol. 5.] Boston, U. S. A.: Ginn & Co., c. 1885.

Marshall, Henry Rutgers. 157 P400

6475 Pain, pleasure, and æsthetics. An essay concerning the psychology of pain and pleasure, with special reference to æsthetics. xxi,364 p. O. London: Macmillan & Co., 1894.

Mosso, Angelo. 157 O402

15824 Fear. Translated from the fifth edition of the Italian by E. Lough and F. Kiesow. Authorised translation. [6],278 p. 7 il. 2 pl. O. London: Longmans, Green, & Co., 1896.

Ribot, Théodule. 157 P602

8511 The psychology of the emotions. xix,455 p. D. [Contemporary science series.] London: W. Scott, 1897.

157 Aesthetics, Emotions

Santayana, George. **157 P600**

5595 The sense of beauty: being the outlines of æsthetic theory. ix, 275 p. D. New York: C. Scribner's Sons, 1896.

160 LOGIC

Bosanquet, Bernard. **160.2 O800**

3395 Logic; or, The morphology of knowledge. 2 vol. O. Oxford: Clarendon Press, 1888.

Harris, William Torrey. **193.39 H24**

10598 Hegel's Logic. A book on the genesis of the categories of the mind. A critical exposition. xxx,403 p. D. [German philosophical classics.] Chicago: S. C. Griggs & Co., 1890.

Hegel, [Georg Wilhelm Friedrich]. **160.2 J001**

17435 The logic of Hegel. Translated from the Encyclopaedia of the philosophical sciences by William Wallace. Second edition, revised and augmented. xxvi,439 p. D. Oxford: Clarendon Press, 1892.

Hobhouse, Leonard Trelawney. **160.2 P602**

8505 The theory of knowledge. A contribution to some problems of logic and metaphysics. xx,627 p. O. London: Methuen & Co., 1896.

Jevons, William Stanley. **160.2 N301**

2854 The principles of science: a treatise on logic and scientific method. Second edition, revised. xliv,786 p. 1 il. D. London: Macmillan & Co., 1877.

Mill, John Stuart. **160.2 K300**

2846 A system of logic, ratiocinative and inductive: being a connected view of the principles of evidence and the methods of scientific investigation. Eighth edition. 659 p. O. New York: Harper & Brothers, 1874.

Lotze, Hermann. **160.2 O001**

10595 Logic. In three books: of thought, of investigation, and of knowledge. English translation edited by Bernard Bosanquet. [Lotze's System of philosophy, part 1.] xxiii,[1],538 p. O. (Clarendon Press series.) Oxford: Clarendon Press, 1884.

Wallace, William. **160.2 P400**

17436 Prolegomena to the study of Hegel's philosophy and especially of his logic. Second edition, revised and augmented. xix,477 p. D. Oxford: Clarendon Press, 1894.

162 Deductive logic

Jevons, William Stanley. **162 O001**

3011 Studies in deductive logic. A manual for students. xxviii,304 p. il. D. London: Macmillan & Co., 1880.

Sidgwick, Alfred. **165 O300** 165 Fallacies

617 Fallacies. A view of logic from the practical side. xvi,375 p. D. (International scientific series, vol. 47.) New York: D. Appleton & Co., 1884.

Baker, George Pierce, 1866– **168 Q500** 168 Argumentation

61995 The principles of argumentation (revised and augmented) by George Pierce Baker ... and Henry Barrett Huntington ... . Boston, New York, [etc.], Ginn & Co., [1905].
x, 677 p. 19cm.

170 ETHICS

Addams, Jane. **304 A2221**

64536 ... . Democracy and social ethics, by Jane Addams ... . New York, London, The Macmillan Company, 1902.
ix, 281 p. 19½cm. (The citizen's library of economics, politics, and sociology.)
Contents. — Introduction. — Charitable effort. — Filial relations. — Household adjustment. — Industrial amelioration. — Educational methods. — Political reform.

Hastings, James, *ed.* **L203 Q800**

64954 Encyclopædia of religion and ethics. Edited by James Hastings, ... , with the assistance of John A. Selbie, ... and other scholars. ... . New York, C. Scribner's Sons; Edinburgh, T. & T. Clark, 1908
Vol. 1–. illus. 29cm.

Ladd, George Trumbull, 1842– **170.2 Q200**

50256 Philosophy of conduct; a treatise of the facts, principles, and ideals of ethics, by George Trumbull Ladd ... . New York, C. Scribner's Sons, 1902.
xxii, [2], 663 p. 23cm.

Lecky, William Edward Hartpole. **170.4 L49**

20469 The map of life: conduct and character. xiv,353 p. D. New York: Longmans, Green, & Co., 1899.

Mackenzie, John Stewart, 1860– **170.2 P700**

17787 ... . A manual of ethics. By John S. Mackenzie, M.A., ... Third edition. Revised, enlarged, and in part rewritten. University Correspondence College Press: London, W. B. Clive; New York, Hinds & Noble, 1899.
xvi, 456 p. 17½cm. (The University tutorial series.)

Murray, John Clark. **170.2 P101**

18922 An introduction to ethics. vii,407 p. D. Boston: De Wolfe, Fiske & Co., c. 1891.

170 Ethics

Royce, Josiah. **170.4 R81**

[16775] Studies of good and evil. A series of essays upon problems of philosophy and of life. xvii,384 p. D. New York: D. Appleton & Co., 1898.

Contents: 1. The problem of Job. 2. The case of John Bunyan. 3. Tennyson and pessimism. 4. The knowledge of good and evil. 5. Natural law, ethics, and evolution. 6. The implications of self-consciousness. 7. Some observations on the anomalies of self-consciousness. 8. Self-consciousness, social consciousness and nature. 9. Originality and consciousness. 10. Meister Eckhart. 11. An episode of early California life: the squatter riot of 1850 in Sacramento. 12. Jean Marie Guyau.

Ruskin, John. **170.4 R89**

[14743] Sesame and lilies. Two lectures .... 1. Of kings' treasuries. 2. Of queens' gardens. With an introduction by Charles Eliot Norton. Brantwood edition. xvii,180 p. D. New York: C. E. Merrill & Co., 1891.

Sidgwick, Henry. **170.2 P001**

[10761] The methods of ethics. Fourth edition. xxx,[2],522 p. O. London: Macmillan & Co., 1890.

Sidgwick, Henry. **170.4 S568**

[12438] Practical ethics. A collection of addresses and essays. vi,[2], 260 p. D. [Ethical library.] London: Swan Sonnenschein & Co., 1898.

Spencer, Herbert. **170.2 P200**

[6872] The principles of ethics. 2 vol. O. [SPENCER, H. Synthetic philosophy.] New York: D. Appleton & Co., 1896–1897, pref. 1893.

Stephen, Leslie. **170.2 O200**

[2879] The science of ethics. xxviii,462 p. O. New York: G. P. Putnam's Sons, 1882.

Stephen, Leslie. **170.4 S828**

[17699] Social rights and duties. Addresses to ethical societies. 2 vol. D. (Ethical library.) London: Swan Sonnenschein & Co., 1896.

Contents: Vol. 1. The aims of ethical societies. Science and politics. The sphere of political economy. The morality of competition. Social equality. Ethics and the struggle for existence. Vol. 2. Heredity. Punishment. Luxury. The duties of authors. The vanity of philosophising. Forgotten benefactors.

Wundt, Wilhelm. **170.2 P201**

[12012] Ethics: an investigation of the facts and laws of the moral life. Translated from the second German edition (1892) by Edward Bradford Titchener, Julia Henrietta Gulliver and Margaret Floy Washburn. .... 3 vol. O. London: Swan Sonnenschein & Co., 1897–1901.

Contents: Vol. 1. The facts of the moral life. Translated by Julia Gulliver and Edward Bradford Titchener. xii,339 p. 1897. Vol. 2. Ethical systems. Translated by Margaret Floy Washburn. viii,196 p. 1897. Vol. 3. The principles of morality and the departments of the moral life. Translated by Margaret Floy Washburn. xii,308 p 1901.

Adler, Felix. 377.2 P200 170.7 Ethical instruction

6106 The moral instruction of children. xiii,270 p. D. (International education series, vol. 21.) New York: D. Appleton & Co., 1895.

Lecky, William Edward Hartpole. 170.94 N700 170.9 History of ethics

6486 History of European morals from Augustus to Charlemagne. Third edition, revised. 2 vol. D. New York: D. Appleton & Co., 1887, pref. 1877.

Sidgwick, Henry. 170.9 O600

1361 Outlines of the history of ethics, for English readers. xxiv,276 p. D. London: Macmillan & Co., 1886.

Clifford, William Kingdon. 504 C61 171 Theory of ethics

3153 Lectures and essays. Edited by Leslie Stephen and Frederick Pollock, with an introduction by F. Pollock. 2 vol. il. por. O. London: Macmillan & Co., 1879.

Contents: Vol. 1. Introduction: Biographical. Selection from letters, etc. Bibliographical. — On some of the conditions of mental development. On theories of the physical forces. On the aims and instruments of scientific thought. Atoms. The first and last catastrophe. The unseen universe. The philosophy of the pure sciences. Vol. 2. Instruments used in measurement. Body and mind. On the nature of things-in-themselves. On the types of compound statement involving four classes. On the scientific basis of morals. Right and wrong: the scientific ground of their distinction. The ethics of belief. The ethics of religion. The influence upon morality of a decline in religious belief. Cosmic emotion. Virchow on the teaching of science.

Evans, Edward Payson. 171.7 P700

16596 Evolutional ethics and animal psychology. v,386 p. D. New York: D. Appleton & Co., 1898.

"Bibliography" p. 359–367.

Green, Thomas Hill. 171 O300

10758 Prolegomena to ethics. Edited by A. C. Bradley. xxxv,427 p. O. Oxford: Clarendon Press, 1883.

Kant, Immanuel. 171 F1

10597 Kant's Critique of practical reason and other works on the theory of reason. Translated by Thomas Kingsmill Abbott. Being an enlarged edition of "Kant's Theory of ethics." With memoir. lxiv,438,[2] p. 1 por. D. London: Longmans, Green & Co., 1879.

Martineau, James. 171 O601

820 Types of ethical theory. Second edition, revised. 2 vol. O. Oxford: Clarendon Press, 1886.

Morley, John. 171 N400

857 On compromise. x,214 p. O. London: Chapman & Hall, 1874.

Muirhead, John Henry. 171 P200

15818 The elements of ethics. An introduction to moral philosophy. xiii,239 p. D. [University extension manuals.] New York: C. Scribner's Sons, 1892.

171 Theory of ethics

Ruskin, John. 330.1 N100

6764 Munera pulveris. Six essays on the elements of political economy. With an introduction by Charles Eliot Norton. Brantwood edition. xl,217 p. D. New York: C. E. Merrill & Co., 1891.

Contents: 1. Definitions. 2. Store-keeping. 3. Coin-keeping. 4. Commerce. 5. Government. 6. Mastership.

172 State ethics

MacCunn, John. 172.1 P400

6903 Ethics of citizenship. [Third edition.] x,[2],148 p. D. Glasgow: J. Maclehose & Sons, 1896.

Contains a chapter: "Some economic and moral aspects of luxury."

M'Kechnie, William Sharp. 320.1 P601

5940 The state & the individual. An introduction to political science, with special reference to socialistic and individualistic theories. xv,451 p. O. Glasgow, J. MacLehose & Sons, 1896.

Nash, Henry Sylvester. 309.4 P700

8087 Genesis of the social conscience. The relation between the establishment of Christianity in Europe and the social question. viii, 309 p. D. New York: Macmillan Co., 1897.

Willoughby, Westel Woodbury. 304 W68

28397 Social justice. A critical essay. xii,[2],385 p. O. New York: Macmillan Co., 1900

173 Family ethics

Keezer, Frank, 1866– 347.6 Q600

64984 The law of marriage and divorce, giving the law in all the states and territories with approved forms, by Frank Keezer .... Boston, W. J. Nagel, 1906.

xvii, 609 p. 23½cm.

Smith, Nora Archibald. 372 P802

16533 The children of the future. [6],165 p. D. Boston: Houghton, Mifflin & Co., 1898.

174 Business ethics

Andrews, Elisha Benjamin. 174 P400

9707 Wealth and moral law. The Carew lectures for 1894, Hartford Theological Seminary. 135 p. D. Hartford, Conn.: Hartford Seminary Press, 1894.

177 Social ethics

Philanthropy. 304 P53

9976 Philanthropy and social progress. Seven essays by Miss Jane Addams, Robert A. Woods, Father J. O. S. Huntington, Professor Franklin H. Giddings, and Bernard Bosanquet. Delivered before the School of Applied Ethics at Plymouth, Mass. during the season of 1892. With introduction by Professor Henry C. Adams. New York, T. Y. Crowell & Co., [c1893].

xi, 268 p. 19½cm.

Contents. — 1. Addams, J. The subjective necessity for social settlements. — 2. *Same.* The objective value of a social settlement. — 3. Woods, R. A. The university settlement idea. — 4. Huntington, J. O. S. Philanthropy — its success and failure. — 5. *Same.* Philanthropy and morality. — 6. Giddings, F. H. The ethics of social progress. — 7. Bosanquet, B. The principles and chief dangers of the administration of charity.

Calkins, Raymond. 178.04 C12 178 Liquor problem

29301 Substitutes for the saloon. An investigation made for the Committee of Fifty under the direction of Francis G. Peabody, Elgin R. L. Gould, and William M. Sloane. xvi,[2],397 p. il. D. Boston: Houghton, Mifflin & Co., 1901.

Cyclopædia. L178.03 P100

9700 The Cyclopædia of temperance and prohibition. A reference book of facts, statistics, and general information on all phases of the drink question, the temperance movement and the prohibition agitation. 671 p. Q. New York: Funk & Wagnalls, 1891.

Koren, John. 178.04 K84

30279 Economic aspects of the liquor problem. An investigation made for the Committee of Fifty, under the direction of Henry W. Farnam. x,[2],327 p. D. Boston: Houghton, Mifflin & Co., c. 1899.

"Bibliography," p. 313–322.

Wines, Frederic Howard, 1838– 178.4 P801

50211 The liquor problem in its legislative aspects, by Frederic H. Wines and John Koren; an investigation made under the direction of Charles W. Eliot, Seth Low, and James C. Carter, subcommittee of the Committee of Fifty to investigate the liquor problem. Second edition. Boston and New York, Houghton, Mifflin and Co., [1898].

viii, [2], 425 p. 19½cm.

180-190 ANCIENT AND MODERN PHILOSOPHERS

Aristoteles. 185.1 I

10607 The politics and economics of Aristotle, translated, with notes, original and selected, and analyses. To which are prefixed, an introductory essay and a life of Aristotle, by Dr. Gillies. By Edward Walford. [6],lxxx,338,[2] p. D. [Bohn's classical library.] London: G. Bell & Sons, 1881.

Grote, George. 185.1 G91

95 Aristotle. Edited by Alexander Bain and G. Croom Robertson. Third edition. xvi,681 p. O. London: J. Murray, 1883.

Platon. 320.1 A3

13954 The Republic of Plato translated into English with introduction, analysis, marginal analysis, and index by B. Jowett. The third edition, revised and corrected throughout. [6],ccxxxi,379 p. O. Oxford: Clarendon Press, 1888.

189-190 Ancient and modern philosophers

Zeller, Eduard. 185 Z3

7961 Aristotle and the earlier Peripatetics. Being a translation from Zeller's Philosophy of the Greeks. By B. F. C. Costelloe and J. H. Muirhead. 2 vol. D. London: Longmans, Green, & Co., 1897.

Zeller, Eduard. 182 Z3

15105 A history of Greek philosophy from the earliest period to the time of Socrates. With a general introduction. Translated from the German ... with the author's sanction by S. F. Alleyne. 2 vol. D. London: Longmans, Green, & Co., 1881.

Bacon, Francis, *Baron* **Verulam.** 192.06 I

6378 Bacon's Essays and Colours of good and evil, with notes and glossarial index by W. Aldis Wright. [Third edition.] xxxi,388 p. S. London: Macmillan & Co., 1892, pref. 1865.

Fowler, Thomas, *M. A.* 192.06 F82

1497 Bacon. vi,202 p. D. (English philosophers.) London: Sampson Low, ... , & Rivington, 1881.

Cousin, Victor. 194.19 I

11881 Lectures on the true, the beautiful, and the good. Increased by an appendix on French art. Translated, with the approbation of M. Cousin, by O. W. Wight. 391 p. O. New York: D. Appleton & Co., 1854.

Mahaffy, John Pentland. 194.22 M27

10731 Descartes. vi,211 p. 1 por. S. [Philosophical classics for English readers.] Philadelphia: J. B. Lippincott & Co., 1881.

Everett, Charles Carroll. 193.28 E93

15611 Fichte's Science of knowledge. A critical exposition. xvi,287 p. D. [German philosophical classics for English readers and students.] Chicago: S. C. Griggs & Co., 1884.

Stirling, James Hutchison. 193.39 S861

34263 The secret of Hegel. Being the Hegelian system in origin, principle, form and matter. New edition, carefully revised. lxiii, 751 p. O. Edinburgh: Oliver & Boyd, 1898.

Höffding, Harald. 109 P500

23026 A history of modern philosophy. A sketch of the history of philosophy from the close of the Renaissance to our own day. Translated from the German edition by B. E. Meyer. Authorised translation. 2 vol. O. London: Macmillan & Co., 1900.

Mill, John Stuart. 192.57 M59

848 Autobiography. vi,313 p. O. New York: H. Holt & Co., 1873.

Müller, Friedrich Max. 401 M91 190 Modern philosophy

10769 The science of thought. 2 vol. paged continuously; vol. 1: xxii, 1–326 p.; vol. 2: vii,327–656 p. D. New York: C. Scribner's Sons, 1887.

Contents: Vol. 1. 1. The constituent elements of thought. 2. Thought and language. 3. On Kant's philosophy. 4. Language the barrier between man and beast. 5. The constituent elements of language. 6. On the origin of concepts and roots. Vol. 2. 7. The roots of Sanskrit. 8. Formation of words. 9. Propositions and syllogisms. 10. Conclusion.

Watson, John, *1847–*. 193.79 W33

15655 Schelling's Transcendental idealism. A critical exposition. xv, 251 p. D [German philosophical classics for English readers and students.] Chicago: S. C. Griggs & Co., 1882.

Farrer, James Anson. 192.82 F24

1500 Adam Smith (1723–1790). [2],iv,201,[3] p. D. (English philosophers.) London: Sampson Low, ... , & Rivington, 1881.

200
RELIGION

Abbott, Lyman, 1835– , *ed.* L203 N400

40863 A dictionary of religious knowledge, for popular and professional use; comprising full information on Biblical, theological, and ecclesiastical subjects. With several hundred maps and illustrations. Edited by the Rev. Lyman Abbott, assisted by the Rev. T. J. Conant, D.D. New York, Harper & Brothers, 1885, [c1874].

xv, [1], 1074 p. incl. illus., maps, plans. 25½cm.

Brinton, Daniel Garrison. 209.1 P700

9627 Religions of primitive peoples. xiv,[2],264 p. O. [American lectures on the history of religions. Second series.] New York: G. P. Putnam's Sons, 1897.

Hastings, James, *ed.* L203 Q800

64954 Encyclopædia of religion and ethics. Edited by James Hastings, ... , with the assistance of John A. Selbie, ... and other scholars. .... New York, C. Scribner's Sons; Edinburgh, T. & T. Clark, 1908

Vol. 1–. illus. 29cm.

Jastrow, Morris, 1861– 207 Q100

50242 The study of religion. By Morris Jastrow, jun. .... London, W. Scott, 1901.

xiv, [2], 451 p. 19cm. (The contemporary science series. [Vol. 41].)

Appendix I. Programme of the section for the history of religions at the École des hautes études, Paris. — Appendix II. Arrangement of the Musée Guimet. Selected bibliography: p. [399]–415.

Lang, Andrew. 209.1 P800

13796 The making of religion. [8],380 p. O. London: Longmans, Green, & Co., 1898.

200 Religion

Progress of the century. 032 Q100

27963 The progress of the century. . . . . iii,[1],582,[2] p. O. New York: Harper & Brothers, 1901.

Contents: Wallace, A. R. Evolution. Ramsay, W. Chemistry. Petrie, W. M. F.-. Archaeology. Lockyer, Sir J. N. Astronomy. Caird, E. Philosophy. Osler, W. Medicine. Keen, W. W. Surgery. Thomson, E. Electricity. Mendenhall, T. C. Physics. Dilke, Sir C. W. War. Mahan, A. T. Naval ships. Lang, A. Literature. Clarke, T. C. Engineering. Religion: Gibbons, J., Cardinal. Catholicism. Allen, A. V. G. Protestantism. Gottheil, R. J. H. The Jews and Judaism. Smith, G. Freethought.

Royce, Josiah. 170.4 R81

16775 Studies of good and evil. A series of essays upon problems of philosophy and of life. xvii,384 p. D. New York: D. Appleton & Co., 1898.

Contents: 1. The problem of Job. 2. The case of John Bunyan. 3. Tennyson and pessimism. 4. The knowledge of good and evil. 5. Natural law, ethics, and evolution. 6. The implications of self-consciousness. 7. Some observations on the anomalies of self-consciousness. 8. Self-consciousness, social consciousness and nature. 9. Originality and consciousness. 10. Meister Eckhart. 11. An episode of early California life: the squatter riot of 1850 in Sacramento. 12. Jean Marie Guyau.

Royce, Josiah. 104 R81

21368 The world and the individual. Gifford lectures delivered before the University of Aberdeen. First series. The four historical conceptions of being. xvi,588 p. O. New York: Macmillan Co., 1900.

Royce, Josiah. 104 R811

50281 The world and the individual; Gifford lectures delivered before the University of Aberdeen. Second series; nature, man, and the moral order, by Josiah Royce . . . . New York, London, The Macmillan Company, 1901.

xx, [2], 480 p. 21cm.

Contents. — The recognition of facts. — The linkage of facts. — The temporal and the eternal. Physical and social reality. — The interpretation of nature. — The human self. — The place of the self in being. — The moral order. — The struggle with evil. — The union of God and man.

Wars. L909 C14 v.3

61820 . . . . The wars of religion. New York, London, The Macmillan Company, 1905.

xxvii, [2], 914 p. 25cm. (*In* Cambridge modern history, vol. 3.)

"List of bibliographies," p. 771–873.

"Chronological table of leading events," p. 874–880.

Contents. — 1. Butler, A. J. The wars of religion in France. — 2. Tilley, A. A. French humanism and Montaigne. — 3. Bain, R. N. The catholic reaction, and the Valois and Báthory elections, in Poland. — 4. Brosch, M. The height of the Ottoman power. — 5. Ward, A. W. The empire under Ferdinand I and Maximilian II. — 6. Edmundson, G. The revolt of the Netherlands. — 7. *same*. William the Silent. — 8. Law, T. G. Mary Stewart. — 9. Laughton, J. K. The Elizabethan naval war with Spain. — 10. Lee, S. The last years of Elizabeth. — 11. *same*. The Elizabethan age of English literature. — 12. Armstrong, E. Tuscany and Savoy. — 13. Balzani, U., *count*. Rome under Sixtus V. — 14. Butler, A. J. The end of the Italian renaissance. — 15. Hume, M. Spain under Philip II. — 16. *same*. Spain under Philip III. — 17. Gardiner, S. R. Britain under James I. — 18. Dunlop, R. Ireland to the settlement of Ulster. — 19. Edmundson, G. The Dutch Republic. — 20. Leathes, S. Henry IV of France. — 21. Ward, A. W. The empire under Rudolf II. — 22. Figgis, J. N. Political thought in the sixteenth century.

Bible. **L220 B2** 220 Bible

7396 The parallel Bible. The Holy Bible, containing the Old and New Testaments, translated out of the original tongues: being the authorized version arranged in parallel columns with the revised version. . . . . x,[2],1024,xii,310 p. Q. Oxford: University Press 1886.

Cruden, Alexander. **L220.2 F1**

729 A complete concordance to the Old and New Testament: or a dictionary and alphabetical index to the bible. . . . . To which is added a concordance to the apocrypha. With a compendium of the bible, and a brief account of its history and excellency. With a sketch of the life and character of the author, by William Youngman. xii,[2],719,[1] p. 1 por. Q. London: J. Dinnis, 1854.

Encyclopædia. **L220.3 P900**

19517 Encyclopædia biblica. A critical dictionary of the literary, political and religious history, the archæology and natural history of the Bible, edited by the Rev. T. K. Cheyne, M.A., . . . , and J. Sutherland Black, M.A., ... New York, The Macmillan Company; London, A. and C. Black, 1899–1903.

4 v illus., maps (partly fold.) 27cm.

Hastings, James, *ed.* **L220.3 P800**

12179 A dictionary of the Bible dealing with its language, literature, and contents, including the biblical theology. Edited by James Hastings, M.A., . . . with the assistance of John A. Selbie, M.A., . . . and, chiefly in the revision of the proofs, of A. B. Davidson, D.D., . . . S. R. Driver, D.D., . . . H. B. Swete, D.D., ... New York, C. Scribner's Sons; Edinburgh, T. & T. Clark, 1898–1902.

4 vol. front., illus., fold. pl., 4 maps (partly fold.) 28cm.

——— ———. Extra volume containing articles, indexes, and maps. New York, 1904.

xiii, 936 p. front., illus., 3 fold. maps. 28cm.

Julian, John, 1839– , *ed.* **245 P100** 245 Hymnology

44646 A dictionary of hymnology, setting forth the origin and history of Christian hymns of all ages and nations, with special reference to those contained in the hymn books of English-speaking countries, and now in common use, together with biographical and critical notices of their authors and translators and historical articles on national and denominational hymnody, breviaries, missals, primers, psalters, sequences, &c. &c. &c. Edited by John Julian, M.A. . . . . New York, C. Scribner's Sons, 1892, [c1891].

xii, 1616 p. 24½cm.

266 Missions

Encyclopedia. L266 Q401

61949 The encyclopedia of missions. Descriptive, historical, biographical, statistical. Second edition. Edited under the auspices of the Bureau of Missions by Rev. Henry Otis Dwight, ... , Rev. H. Allen Tupper, jr., ... , and Rev. Edwin Munsell Bliss, ... New York and London, Funk & Wagnalls Company, 1904.
xii, [2], 851 p. 27½cm.

267.15 Salvation Army

Booth, William, *of the "Salvation Army."* 339.942 P001

91 In darkest England, and the way out. [6],285,xxxi p. O. New York: Funk & Wagnalls, 1890.

290 Mythology

Anderson, Rasmus Björn. 293 N500

3041 Norse mythology; or, The religion of our forefathers, containing all the myths of the Eddas, systematized and interpreted. With an introduction, vocabulary and index. 473 p. 1 pl. O. Chicago: S. C. Griggs & Co., 1875.

Bulfinch, Thomas, 1796–1867. 291 P802

61968 The age of fable; or, Beauties of mythology, by Thomas Bulfinch. A new revised and enlarged edition; edited by Rev. J. Loughran Scott .... With a classical index and dictionary, and nearly two hundred illustrations. Philadelphia, D. McKay, [1898].
xxiii, 501 p. front., illus., 17 pl., table. 21½cm.

Clodd, Edward. 291 O500

9927 Myths and dreams. Second edition, revised. x,251 p. D. London: Chatto & Windus, 1891.

Cox, *Sir* **George William,** *Bart.* 291 N001

21196 The mythology of the Aryan nations. 2 vol. O. London: Longmans, Green, & Co., 1870.

Grimm, Jacob. 293 J500

6574 Teutonic mythology. Translated from the fourth edition, with notes and appendix, by James Steven Stallybrass. 4 vol. paged continuously; vol. 1: viii,1–437 p.; vol. 2: [4],439–898 p.; vol. 3: lv,[2],899–1276 p.; vol. 4: iv,[2],1277–1887 p. O. London: vol. 1: W. Swan Sonnenschein & Allen; vol 2–4: G. Bell & Sons, 1880–1888.

Hartland, Edwin Sidney. 398.4 H25

13719 The science of fairy tales. An inquiry into fairy mythology. viii,372 p. D. [Contemporary science series, vol. 11.] London: W. Scott, 1891.
"Bibliographical list of some of the works referred to", p. 353–365.

Smith, William, *LL.D.* 920.03 S664 290 Mythology

5809 Dictionary of Greek and Roman biography and mythology. 3 vol. il. O. London: Taylor, Walton, & Maberly, 1849–1851.

Taylor, Isaac. 572.02 O900

4186 The origin of the Aryans. An account of the prehistoric ethnology and civilisation of Europe. xi,339 p. 30 il. D. [Contemporary science series.] London: W. Scott, pref. 1889.

Contents: 1. The Aryan controversy. 2. The prehistoric races of Europe. 3. The neolithic culture. 4. The Aryan race. 5. The evolution of Aryan speech. 6. The Aryan mythology.

Jacobs, Joseph, 1854– L296 Q103 296 Judaism

61924 The Jewish encyclopedia; a guide to its contents, an aid to its use, by Joseph Jacobs, D. LITT., revising editor. New York and London, Funk & Wagnalls Company, 1906.

xviii, 162 p. 18½cm.

Jewish encyclopedia. L296 Q102

30533 The Jewish encyclopedia. A descriptive record of the history, religion, literature, and customs of the Jewish people from the earliest times to the present day. . . . . Isidore Singer, projector and managing editor. . . . . Vol. 1–. il. colored pl. facsim. Q. New York: Funk & Wagnalls Co., 1901–.

Brinton, Daniel Garrison. 398.1 B77 299 Other religions

5575 The myths of the new world. A treatise on the symbolism and mythology of the red race of America. Third edition, revised. 360 p. O. Philadelphia: D. McKay, 1896.

Curtin, Jeremiah. 299.7 P800

16291 Creation myths of primitive America in relation to the religious history and mental development of mankind. xxxix,530,[2] p. 1 pl. O. Boston: Little, Brown, & Co., 1898.

Lockyer, *Sir* **Joseph Norman.** 520.932 P300

7887 The dawn of astronomy. A study of the temple-worship and mythology of the ancient Egyptians. xvi,432 p. il. 1 pl. 1 map. O. New York: Macmillan Co., 1897.

300 SOCIAL SCIENCES

Bagehot, Walter. 301 N200 301 Theory of sociology

2800 Physics and politics; or, Thoughts on the application of the principles of 'natural selection' and 'inheritance' to political society. Second edition. [4],224 p. D. [International scientific series, vol. 2.] London: H. S. King & Co., 1873.

301 Theory of sociology

Baldwin, James Mark. 150.2 Q200

50250 Social and ethical interpretations in mental development; a study in social psychology, by James Mark Baldwin . . . . Third edition, revised and enlarged. New York, London, The Macmillan Company, 1902.

xxiv, [2], 606 p. 22cm.

"Work crowned with the gold medal of the Royal Academy of Denmark."

Giddings, Franklin Henry. 301 P605

9604 The principles of sociology. An analysis of the phenomena of association and of social organization. [Third edition.] xxvi, 476 p. O. New York: Macmillan Co., 1896.

"A partial list of the books and articles referred to in the text", p. 423-442.

Kidd, Benjamin. 301 P400

819 Social evolution. New edition with a new preface. x,348 p. O. New York: Macmillan & Co., 1894.

M'Kechnie, William Sharp. 320.1 P601

5940 The state & the individual. An introduction to political science, with special reference to socialistic and individualistic theories. xv,451 p. O. Glasgow, J. MacLehose & Sons, 1896.

Mackenzie, John S. 301 P501

6481 An introduction to social philosophy Second edition, revised and slightly enlarged. xv,454 p. D. New York: Macmillan & Co., 1895.

Spencer, Herbert. 301 P200

3310 Social statics, abridged and revised, together with, The man versus the state. [2],420 p. D. New York: D. Appleton & Co., 1892.

Veblen, Thorstein [B]. 330.1 P905

50911 The theory of the leisure class. An economic study of institutions by Thorstein Veblen. New York, London, The Macmillan Company, 1905, [c1899].

viii, 400 p. 19½cm.

Ward, Lester Frank, 1841– 301 Q600

64519 Applied sociology; a treatise on the conscious improvement of society by society, by Lester F. Ward . . . . Boston, New York, [etc.], Ginn & Co., [c1906].

xviii, 384 p. 4 maps (2 double) fold chart. 24cm.

Contents. — pt. 1. Movement. — pt. 2. Achievement. — pt. 3. Improvement. — List of authors and titles of works, articles, and memoirs quoted or cited, with critical and explanatory notes (p. 341-366).

Ward, Lester Frank. 301 P301

11009 The psychic factors of civilization. xxi,369 p. O. Boston, U. S. A.: Ginn & Co., 1893.

Ward, Lester Frank, 1841– **301 Q300** 301 Theory of sociology

64518 Pure sociology; a treatise on the origin and spontaneous development of society, by Lester F. Ward. New York, London, The Macmillan Company, 1903.

xii, 607 p. 23½cm.

Fairbanks, Arthur. **302 Q100** 302 Compends of sociology

28879 Introduction to sociology. Third edition revised and in part rewritten. xvii,307 p. D. New York: C. Scribner's Sons, 1901.

"Bibliography," p. 295–307.

Giddings, Franklin Henry. **302 P800**

18993 The elements of sociology. A text-book for colleges and schools. xi,353 p. O. New York: Macmillan Co., 1898.

Ross, Edward Alsworth, 1866– **302 Q500**

64534 . . . . Foundations of sociology, by Edward Alsworth Ross . . . . New York, London, The Macmillan Company, 1905.

xiv, 410 p. 19cm. (*Half-title:* The citizen's library of economics, politics, and sociology.)

At head of title: The citizen's library.

"Bibliography," p. 348–352.

"Sociological works cited or referred to in the text," p. 397–401.

Spencer, Herbert. **302 O500**

6146 The principles of sociology. 3 vol. O. [SPENCER, H. A system of synthetic philosophy, vol. 6–8]. London: Williams & Norgate, 1893–1896.

Vol. 1 is in the third edition.

Vol. 1: pref. 1885, vol. 2: 1879–1882.

Spencer, Herbert. **302 N300**

3409 The study of sociology. xiv,451 p. D. (International scientific series, vol. 5.) New York: D. Appleton & Co., 1884.

Stuckenberg, John Henry Wilburn, 1835–1903. **302 Q300**

64526 Sociology, the science of human society, by J. H. W. Stuckenberg . . . . New York and London, G. P. Putnam's Sons, 1903.

2 vol. 22cm.

Wright, Carroll Davidson. **302 P802**

17889 Outline of practical sociology. With special reference to American conditions. xxv,431 p. 1 map, 10 tables. O. (American citizen series.) New York: Longmans, Green, & Co., 1899.

Contents: 1. The basis of practical sociology. 2. Units of social organism. 3. Questions of population. 4. Questions of the family. 5. The labour system. 6. Social well-being. 7. The defence of society. 8. Remedies.

"References," at the beginning of each chapter.

303 Sociological encyclopedias

Bliss, William Dwight Porter, 1856– *ed.* **L303 Q800**

64535 The new encyclopedia of social reform, including all social-reform movements and activities, and the economic, industrial, and sociological facts and statistics of all countries and all social subjects; ed. by William D. P. Bliss, editor-in-chief and Rudolph M. Binder, PH.D., assistant editor, with the cooperation of many specialists. . . . . New edition. New York and London, Funk & Wagnalls Company, 1908.

[6], 1321 p. incl. tables. 26cm.

Handwörterbuch. **L303 P800**

26723 Handwörterbuch der Staatswissenschaften. Herausgegeben von Dr. J. Conrad, Dr. L. Elster, Dr. W. Lexis, Dr. Edg. Loening. Zweite, gänzlich umgearbeitete Auflage. 7 vol. Q. Jena: G. Fischer, 1898–1901.

Lalor, John Joseph, *editor.* **L303 O100**

179 Cyclopædia of political science, political economy, and of the political history of the United States, by the best American and European writers. 3 vol. Q. New York: Maynard, Merrill, & Co., 1895.

304 Essays

Addams, Jane. **304 A2221**

64536 . . . . Democracy and social ethics, by Jane Addams . . . . New York, London, The Macmillan Company, 1902.

ix, 281 p. 19½cm. (The citizen's library of economics, politics, and sociology.)

Contents. — Introduction. — Charitable effort. — Filial relations. — Household adjustment. — Industrial amelioration. — Educational methods. — Political reform.

Addams, Jane, 1860– **331.0973 Q601**

65321 . . . . Newer ideals of peace, by Jane Addams . . . . New York, London, The Macmillan Company, 1907.

xviii, 243 p. 19cm. (*Half-title:* The citizen's library of economics, politics, and sociology.)

Series title also at head of t.-p.

"Parts of two chapters have been published before in the form of addresses, and two others as articles in the North American review and in the American journal of sociology." — Prefatory note.

Contents. — Introduction. — Survivals of militarism in city government. — Failure to utilize immigrants in city government. — Militarism and industrial legislation. — Group morality in the labour movement. — Protection of children for industrial efficiency. — Utilization of women in city government. — Passing of the war virtues.

Bosanquet, Bernard, *editor.* **304 B65**

223 Aspects of the social problem, by various writers. x,334 p. D. London: Macmillan & Co., 1895.

Contents: 1–2. Bosanquet, B. The duties of citizenship. 3. Dendy, H. The children of working London. 4. M'Callum, M. The protection of children. 5. Dendy, H. The position of women in industry. 6. Dendy, H. Marriage in East London. 7. Dendy, H. The industrial residuum. 8. Bosanquet, B. Character in its bearing on social causation. 9. Dendy, H. Old pensioners. 10. Loch, C. S. Pauperism and old-age pensions. 11. Dendy, H. The meaning and methods of true charity. 12. M'Callum, M. Some aspects of reform. 13. Dendy, H. Origin and history of the English poor law. 14. Loch, C. S. Some controverted points in the administration of poor relief. 15. Loch, C. S. Returns as an instrument in social science. 16. Bosanquet, B. Socialism and natural selection. 17. Bosanquet, B. The principle of private property. 18. Bosanquet, B. The reality of the general will.

Gladden, Washington. 304 G45 304 Sociological essays

12503 Social facts and forces. The factory — the labor union — the corporation — the railway — the city — the church. iv,[2],235 p. D. New York: G. P. Putnam's Sons, 1897.

Hobson, John Atkinson. 304 H65

28721 The social problem: life and work. x,[2],295 p. O. London: J. Nisbet & Co., 1901.

Lecky, William Edward Hartpole. 321.8 P600

860 Democracy and liberty. 2 vol. D. New York: Longmans, Green, & Co., 1896.

Massart, Jean, & Vandervelde, Emile. 304 M38

7808 Parasitism, organic and social. Translated by William Macdonald, revised by J. Arthur Thomson. With a preface by Prof. Patrick Geddes. xi,124 p. D. [Social science series, vol. 86.] London: Swan Sonnenschein & Co., 1895.

"Works consulted," p. 123–124.

Mill, John Stuart. 304 M59

847 On liberty. The subjection of women. [2],394 p. O. New York: H. Holt & Co., 1873.

Philanthropy. 304 P53

9976 Philanthropy and social progress. Seven essays by Miss Jane Addams, Robert A. Woods, Father J. O. S. Huntington, Professor Franklin H. Giddings, and Bernard Bosanquet. Delivered before the School of Applied Ethics at Plymouth, Mass. during the season of 1892. With introduction by Professor Henry C. Adams. New York, T. Y. Crowell & Co., [c1893].

xi, 268 p. 19½cm.

Contents. — 1. Addams, J. The subjective necessity for social settlements. — 2. *Same.* The objective value of a social settlement. — 3. Woods, R. A. The university settlement idea. — 4. Huntington, J. O. S. Philanthropy — its success and failure. — 5. *Same.* Philanthropy and morality. — 6. Giddings, F. H. The ethics of social progress. — 7. Bosanquet, B. The principles and chief dangers of the administration of charity.

Ruskin, John. 304 R89

6762 The crown of wild olive. Four lectures on industry and war. With an introduction by Charles Eliot Norton. Brantwood edition. x,[2],250 p. D. New York: Maynard, Merrill, & Co., 1893.

Stephen, Leslie. 170.4 S828

17699 Social rights and duties. Addresses to ethical societies. 2 vol. D. (Ethical library.) London: Swan Sonnenschein & Co., 1896.

Contents: Vol. 1. The aims of ethical societies. Science and politics. The sphere of political economy. The morality of competition. Social equality. Ethics and the struggle for existence. Vol. 2. Heredity. Punishment. Luxury. The duties of authors. The vanity of philosophising. Forgotten benefactors.

304 Sociological essays

Willoughby, Westel Woodbury. 304 W68

28397 Social justice. A critical essay. xii,[2],385 p. O. New York: Macmillan Co., 1900

305 Social year books

Social progress. 305.1 15

62016 Social progress; a year book and encyclopedia of economic, industrial, social and religious statistics. . . . . New York, The Baker and Taylor Co., [1904–].

Continued from 1904. 21cm.
"A select bibliography," 1904, p. 234–248.
Edited by Josiah Strong.

For yearbooks and almanacs see also 030

307 Outlines for debate

Askew, John Bertram, *ed.* 307 Q301

43596 Pros and cons. A newspaper reader's and debater's guide to the leading controversies of the day (political, social, religious, etc.) Edited by John Bertram Askew. Third edition, with a bibliography and appendices of new articles. Eighth impression, with an article on imperial preferential tariffs. London, Swan Sonnenschein & Co., ltd., 1903.

vii, [1], 243, [1] p. 18½cm.
"Bibliography" p. [199]–220.

Brookings, Walter Du Bois, & Ringwalt, Ralph Curtis, *editors.* 307 P500

12060 Briefs for debate on current political, economic, and social topics. With an introduction by Albert Bushnell Hart. xlvii,213 p. D. New York: Longmans, Green, & Co., 1897.

"Bibliography of debating," p. xli–xlvii. Bibliographical references to each topic.

Craig, A H. 307 P700

37247 Pros and cons; complete debates, important questions fully discussed in the affirmative and the negative, with by-laws and parliamentary rules for conducting debating societies, and with a list of interesting topics for debate, by A. H Craig . . . . New York City, Hinds & Noble, c1897.

vii, [3], 564 p. 20cm.

Matson, Henry, *1829–.* 016 M42

36583 References for literary workers, with introductions to topics and questions for debate. Fourth edition. 582 p. O. Chicago: A. C. McClurg & Co., 1899, c. 1892.

Contents: Introduction. 1. History. 2. Biography. 3. Politics. 4. Political economy. 5. Education. 6. Literature. 7. Art. 8. Science. 9. Philosophy. 10. Ethics. 11. Religion. 12. Miscellaneous. Questions with references. Questions without references. Cyclopædias and periodicals referred to, with abbreviated forms.

Ringwalt, Ralph Curtis, 1874– **307 Q500** 307 Outlines for debate

61997 Briefs on public questions, with selected lists of references, by Ralph Curtis Ringwalt . . . . New York, London, [etc.], Longmans, Green, and Co., 1905.

x, [2], 229 p. 20cm.

Hull-House, *Chicago.* **331.09773 P500** 307.5 Social settlements

11355 Hull-House maps and papers. A presentation of nationalities and wages in a congested district of Chicago, together with comments and essays on problems growing out of the social conditions. By residents of Hull-House, a social settlement, . . . , Chicago, Ill. viii,230 p. 8 pl. 2 maps in pockets, 2 tables. O. [Library of economics and politics, vol. 5.] New York: T. Y. Crowell & Co., c. 1895.

Contents: Addams, J. Prefatory note. 1. Holbrook, A. S. Map notes and comments. 2. Kelley, F. The sweating-system. 3. Kelley, F. & Stevens, A. P. Wage-earning children. 4. Eaton, I. Receipts and expenditures of cloakmakers in Chicago. 5. Zeublin, C. The Chicago Ghetto. 6. Zeman, J. H. The Bohemian people in Chicago. 7. Mastro-Valerio, A. Remarks upon the Italian colony in Chicago. 8. Lathrop, J. C. The Cook County charities. 9. Starr, E. G. Art and labor. 10. Addams, J. The settlement as a factor in the labor movement. Appendix. Hull-House: a social settlement.

South End House, *Boston.* **309.744 P800**

17658 The city wilderness. A settlement study by residents and associates of the South End House. Edited by Robert A. Woods, Head of the House. South End, Boston. vii,[4],319 p. 6 maps, 1 table. D. Boston: Houghton, Mifflin & Co., 1898.

Contents: 1. Cole, W. I. Introductory. 2. Haynes, F. E. Historical. 3. Bushée, F. A. Population. 4. Underhill, E. D. Public health. 5. Woods, R. A. Work and wages. 6. The roots of political power. 7. Cole, W. I. Criminal tendencies. 8. Haynes, F. E. Amusements. 9. Cole, W. I. The church and the people. 10. Strongholds of education. 11. Woods, R. A. Social recovery. 12. —. The total drift.

Woods, Robert Archey, *ed.* **309.744 Q200**

50182 Americans in process; a settlement study by residents and associates of the South End House; edited by Robert A. Woods . . . . North and West ends, Boston. Boston and New York, Houghton, Mifflin and Co., 1902.

ix, [4], 389, [1] p. maps, plan. 19½cm.

Contents. — Woods, R. A. Metes and bounds. — Rutan, E. Y. Before the invasion. — Bushée, F. A. The invading host. — Chandler, E. H. City and slum. — Woods, R. A. Livelihood. — Woods, R. A. Traffic in citizenship. — Cole, W. I. Law and order. — Beale, J. F. & Withington, A. Life's amenities. — Cole, W. I. Two ancient faiths. — Atherton, C. S. & Rutan, E. Y. The child of the stranger. — Cole, W. I. & Miles, R. E. Community of interest. — Woods, R. A. Assimilation: a two-edged sword.

309 History of civilization

Cunningham, William. 309 P801

12414 An essay on western civilization in its economic aspects. . . . . 2 vol. il. maps. D. [Cambridge historical series.] Cambridge: University Press, 1898–1900.

Contents: Vol. 1. Ancient times. xii,220 p. 1 il. 4 maps. 1898. Vol. 2. Mediaeval and modern times. xii,300 p. 1900.

Jhering, Rudolph von. 309 P401

10296 The evolution of the Aryan. By Rudolph von Ihering. Translated from the German by A. Drucker. xviii,[2],412 p. O. New York: H. Holt & Co., 1897.

Maine, *Sir* Henry [James] Sumner, 1822–1888. 309 M101

54772 Ancient law. Its connection with the early history of society and its relation to modern ideas. By Sir Henry Sumner Maine . . . . With introduction and notes by Sir Frederick Pollock, ... London, J. Murray, 1906.

xxiv, 426 p. 22cm.

Maine, *Sir* Henry Sumner. 309 O300

10087 Dissertations on early law and custom, chiefly selected from lectures delivered at Oxford. 6,[2],402 p. O. New York: H. Holt & Co., 1886.

Contents: 1. The sacred laws of the Hindus. 2. Religion and law. 3. Ancestor-worship. 4. Ancestor-worship and inheritance. 5. Royal succession and the Salic law. 6. The king, in his relation to early civil justice. 7. Theories of primitive society. 8. East European house communities. 9. The decay of feudal property in France and England. 10. Classifications of property. 11. Classifications of legal rules.

Tylor, Edward Burnett. 573.02 O100

6326 Anthropology. An introduction to the study of man and civilization. xv,448 p. 78 il. D. (International scientific series, vol. 62.) New York: D. Appleton & Co., 1896, pref. 1881.

Viollet-le-Duc, Eugène [Emmanuel]. 720.9 V81

8867 The habitations of man in all ages. Translated by Benjamin Bucknall. xvi,394 p. il. 9 pl. O. Boston: J. R. Osgood & Co., 1876.

Yeats, John. 609 O700

19802 Technical, industrial, and trade education. The technical history of commerce; or, The progress of the useful arts. . . . . Third edition, revised and much enlarged. xxviii,527 p. 1 map in pocket. D. London: G. Philip & Son, [1887?]

309.1 Origin of civilization

[Avebury], John Lubbock, *1st baron*, 1834– 309.1 N001

517 The origin of civilization and the primitive condition of man. Mental and social condition of savages. By Sir John Lubbock, Bart., M.P., F.R.S. . . . . New York, D. Appleton & Co., 1871.

xvi, 380 p. front., 20 illus., IV pl. 20cm.

Avebury, [John Lubbock, *1st Baron*]. **571.02 M901** 309.1 Origin of civilization

25954 Pre-historic times as illustrated by ancient remains and the manners and customs of modern savages. By the Rt. Hon. Lord Avebury. Sixth edition revised. xxxii,616 p. il. 41 pl. 1 map. O. London: Williams & Norgate, 1900.

Gummere, Francis Barton. **309.1 P200**

12807 Germanic origins. A study in primitive culture. viii,[2],490 p. O. New York: C. Scribner's Sons, 1892.

Keane, Augustus Henry. **572.02 P901**

23520 Man past and present. xii,584 p. il. 12 pl. O. [Cambridge geographical series.] Cambridge: University Press, 1899.

Maine, *Sir* **Henry Sumner.** **309.1 N400**

10816 Lectures on the early history of institutions. Seventh edition. viii,[2],412 p. O. London: J. Murray, 1897.

Mason, Otis Tufton. **309.1 P400**

6746 Woman's share in primitive culture. xiii,295 p. il. 18 pl. D. [Anthropological series.] New York: D. Appleton & Co., 1894.

Short, John Thomas. **572.97 N900**

1013 The North Americans of antiquity. Their origin, migrations, and type of civilization considered. 544 p. il. O. New York: Harper & Brothers, 1880.

Starr, Frederick. **571.02 P502**

16215 Some first steps in human progress. 305 p. 33 il. 1 pl. D. (Chautauqua Reading Circle literature.) Meadville, Penna.: Flood & Vincent, 1895.

Tylor, Edward Burnett. **309.1 N300**

70 Primitive culture. Researches into the development of mythology, philosophy, religion, language, art and custom. First American, from the second English edition. 2 vol. O. New York: H. Holt & Co., 1874.

Riis, Jacob August, 1849– **309.274 R44** 309.2 Biography of sociologists

62395 The making of an American, by Jacob A. Riis . . . . New York, London, The Macmillan Company, 1901.

xiii, 443 p. front. (port.) illus., plates. 22cm.

"The papers which form this autobiography were originally published in the Outlook, the chapter telling of my going 'home to mother' in the Churchman, and parts of one or two others in the Century magazine."

Cook, Edward Tyas. **709.276 C77**

18941 Studies in Ruskin: some aspects of the work and teaching of John Ruskin. Second edition. xiv,304 p. il. 8 pl. 1 por. D. Orpington: G. Allen, 1891.

309.3 Ancient society

Fustel de Coulanges, [Numa Denis]. **309.3 N400**

825 The ancient city: a study on the religion, laws, and institutions of Greece and Rome. Translated from the latest French edition by Willard Small. 529 p. O. Boston: Lee & Shepard, 1874.

Johnston, Harold Whetstone, 1859– **390.937 Q300**

60192 . . . . The private life of the Romans, by Harold Whetstone Johnston . . . . Chicago, Scott, Foresman and Co., 1903.
344 p. illus. 20cm. (The Lake classical series.)
Reference books: p. 17–20. References at head of chapters.

Mahaffy, John Pentland. **309.38 P601**

19317 Greek life and thought from the death of Alexander to the Roman conquest. Second edition, corrected and considerably enlarged. xlii,669 p. D. [Social life of the Greeks, vol. 2.] London: Macmillan & Co., 1896.

Mahaffy, John Pentland. **309.38 P001**

22006 The Greek world under Roman sway from Polybius to Plutarch. xiii,[2],418 p. D. London: Macmillan & Co., 1890.

Mahaffy, John Pentland. **309.38 N900**

5526 Social life in Greece from Homer to Menander. [Seventh edition.] xvi,495 p. D. London: Macmillan & Co., 1894.

Maspéro, Gaston. **L932 P700**

14394 The dawn of civilization. Egypt and Chaldæa. Edited by A. H. Sayce. Translated by M. L. McClure. Third edition revised, and brought up to date by the author. xiv,800 p. il. 3 pl. 1 map. Q. New York: D. Appleton & Co., 1897.

Maspéro, Gaston. **309.3 P200**

2799 Life in ancient Egypt and Assyria. From the French. xv,376 p. 188 il. D. New York: D. Appleton & Co., 1892.

Morgan, Lewis Henry. **309.3 N700**

15365 Ancient society; or, Researches in the lines of human progress from savagery through barbarism to civilization. xvi,560 p. O. New York: H. Holt & Co., 1878.

Simcox, Edith J. **309.3 P400**

9095 Primitive civilizations; or, Outlines of the history of ownership in archaic communities. 2 vol. il. O. London: Swan Sonnenschein & Co., 1894.

Tsountas, Chrestos, & Manatt, J. Irving. **938 P700**

17789 The Mycenaean age. A study of the monuments and culture of pre-Homeric Greece. With an introduction by Dr. Dörpfeld. xxxi,417 p. 169 il. 18 pl. 4 maps. O. Boston: Houghton, Mifflin & Co., 1897.

Adams, George Burton, 1851– **309.4 P400** 309.4 European civilization

38462 Civilization during the Middle Ages, especially in relation to modern civilization. By George Burton Adams, ... New York, C. Scribner's Sons, 1901.

viii, 463 p. 21cm.

Lecky, William Edward Hartpole. **170.94 N700**

6486 History of European morals from Augustus to Charlemagne. Third edition, revised. 2 vol. D. New York: D. Appleton & Co., 1887, pref. 1877.

May, *Sir* **Thomas Erskine.** **309.4 N700**

218 Democracy in Europe: a history. 2 vol. O. London: Longmans, Green, & Co., 1877.

Ripley, William Zebina. **572.94 P900**

19089 The races of Europe. A sociological study. Accompanied by a supplementary bibliography of the anthropology and ethnology of Europe, published by the Public Library of the City of Boston. [2 vol.] il. pl. of por. maps. O. (Lowell Institute lectures.) New York: D. Appleton & Co., 1899.

[Vol. 2] is the bibliography, and has also been published separately under the title: A selected bibliography of the anthropology and ethnology of Europe; this has shelf number **016.572 R48**

"Special list of authorities on acclimatization", [vol. 1], p. 589–590.

Rogers, James Edwin Thorold. **309.4 O800**

217 The economic interpretation of history. (Lectures delivered in Worcester College Hall, Oxford, 1887–8.) xvii,[3],547 p. O. London: T. Fisher Unwin, 1888.

Booth, Charles, 1840– **331.8 Q300** 309.42 Social history of England

50276 Life and labour of the people in London, by Charles Booth, assisted by Jesse Argyle, Ernest Aves, Geo. E. Arkell, Arthur L. Baxter, George H. Duckworth. Final volume. Notes on social influences and conclusion. London, New York, Macmillan and Co., ltd., 1903.

[6], 451 p. 2 charts (1 fold.), fold. map in pocket. 22cm.

Folded map (63 x 92cm.) of inner and east London, showing places of worship, schools and licensed houses, 1899–1900.

Contents. — Some comparisons. — Habits of the people. — Notes on administration. — Conclusion. — Appendix tables and notes. — Abstract of the complete work (17 vols.) — Index to final volume.

Boutmy, Émile Gaston, 1835– **309.42 Q401**

64537 The English people; a study of their political psychology, by Émile Boutmy . . . . Translated from the French by E. English; with an introduction by John Edward Courtenay Bodley . . . . London, T. F. Unwin, 1904.

xxxvi, 332 p. 22½cm.

309.42 Social history of England

Cheyney, Edward Potts. 309.42 Q100

28385 An introduction to the industrial and social history of England. x,[2],317 p. il. 13 pl. 3 maps, 2 facsim. 1 table. O. New York: Macmillan Co., 1901.

"Bibliography" at the end of each chapter except the first.

Rogers, James Edwin Thorold. 331.2 O500

64 Work and wages. Being a popular edition (abridged) of "Six centuries of work and wages." (Cobden Club edition.) [6],206 p. D. (Social science series, vol 1.) London: Swan Sonnenschein & Co., [1890].

Scudder, Vida Dutton. 309.42 P800

17004 Social ideals in English letters. [6],329 p. O. Boston: Houghton, Mifflin & Co., 1898.

Contents: Part 1. The England of our forefathers: 1. William Langland and the Middle Ages. 2. The Utopia of Sir Thomas More. 3. The age of Jonathan Swift. Part II. The England of our fathers: 1. Outlines. 2. Social pictures: Dickens and Thackeray. 3. The awakening: "Sartor resartus". 4. The indictment. 5. The new intuition. 6. George Eliot and the social conscience. 7. A glimpse of America. 8. What to do: according to Carlyle. 9. What to do: according to Ruskin. 10. What to do: according to Arnold. 11. Toward democracy. 12. Toward authority. Conclusion: Contemporary England.

Traill, Henry Duff, 1842–1900, *ed.* L309.42 Q104

50294 Social England; a record of the progress of the people in religion, laws, learning, arts, industry, commerce, science, literature and manners, from the earliest times to the present day; edited by H. D. Traill ... and J. S. Mann .... [New illustrated edition.] London, New York, [etc.], Cassell and Co., ltd., [1901–1904].

6 vol. 26½cm.

"Authorities" at end of each chapter.

Contents. — vol. 1. From the earliest times to 1273. [1901.] xcvi, 702 p. front., illus., 1 fold. map. — vol. 2. 1274–1509. [1902.] liii, 800 p. col., front., illus., 8 col. pl., 1 fold. map. — vol. 3. 1509–1603. [1902.] liv, 800 p. front., illus., 5 col. pl., ports. on 2 l. — vol. 4. 1603–1714. [1903.] lv, 864 p. front. illus., 6 col. pl., 2 ports. — vol. 5. 1714–1815. [1904.] lii, 864 p. front., illus., 8 col. pl., 1 fold. map. — vol. 6. From the battle of Waterloo to the general election of 1885. [1904.] lvi, 948 p. front., illus., 9 col. pl.

Woods, Robert Archey. 309.42 P100

11579 English social movements. Third edition. vii,[2],277 p. D. New York: C. Scribner's Sons, 1897, c. 1891.

Contents: 1. The labor movement. 2. Socialism. 3. The university settlements. 4. University extension. 5. The social work of the church. 6. Charity and philanthropy. 7. Moral and educational progress.

309.43 Social history of Germany

Dawson, William Harbutt. 309.43 Q100

29304 German life in town and country. viii,[2],323 p. 16 pl. D. [Our European neighbors.] New York: G. P. Putnam's Sons, 1901.

Contents: 1. What is the German's fatherland? 2. Social divisions. 3. The "Arbeiter." 4. Rural life and labour. 5. Military service. 6. Public education. 7. Religious life and thought. 8. Woman and the home. 9. Pleasures and pastimes. 10. The Berliner. 11. Political life. 12. Local government. 13. The newspaper and its readers.

Schierbrand, Wolf von. 309.43 Q200 309.43 Social history of Germany

50179 Germany; the welding of a world power, by Wolf von Schierbrand. New York, Doubleday, Page & Co., 1903, [c1902].

vii, 376 p. 23½cm.

Palmer, Francis H E 309.436 Q300 309.436 Austria

50269 Austro-Hungarian life in town and country, by Francis H. E. Palmer . . . . New York and London, G. P. Putnam's Sons, 1903.

vii, 301 p. front., 15 pl. 19cm. (*Half-title:* Our European neighbours . . . .)

Taine, Hippolyte Adolphe, 1828–1893. 309.44 N500 309.44 France

3514 . . . . The ancient régime. By Hippolyte Adolphe Taine, ... Translated by John Durand. New York, H. Holt & Co., 1876.

xvi, 421 p. 20½cm. (The origins of contemporary France.)

Taine, Hippolyte Adolphe. 309.44 P001

19507 The modern régime. Translated by John Durand. 2 vol. O. (Les origines de la France contemporaine.) London: Sampson Low, . . . & Rivington, 1891–1894.

Wendell, Barrett, 1855– 309.44 Q700

62386 The France of to-day, by Barrett Wendell . . . . New York, C. Scribner's Sons, 1907.

[8], 379 p. 21cm.

"In this book my effort has been to set forth the impressions of France made on me during the year when I was a lecturer at French universities . . . In substantially their present form the eight chapters were given as lectures at the Lowell Institute, Boston, in November and December, 1906, and four of them have been published in Scribner's magazine during 1907." — Note.

Contents. — The universities. — The structure of society. — The family. — The French temperament. — The relation of literature to life. — The question of religion. — The revolution and its effects. — The republic and democracy.

King, Bolton, & Okey, Thomas. 309.45 Q100 309.45 Italy

32885 Italy to-day. xii,365 p. O. London: J. Nisbet & Co., 1901.

"Appendix — List of principal books," p. 353–357.

Symonds, John Addington. 309.45 N500

12116 Renaissance in Italy. 5 parts in 7 vol. por. O. New York: H. Holt & Co., 1881–1887.

Contents: Part 1. The age of despots. Part 2. The revival of learning. Part 3. The fine arts. Part 4. Italian literature. Part 5. The Catholic reaction.

Parts 3 and 5 are in Author's edition.

Part 3 has pref. date 1877.

Villari, Luigi. 309.45 Q203

50228 Italian life in town and country, by Luigi Villari . . . . New York and London, G. P. Putnam's Sons, 1904.

ix, 327 p. 18 pl. (incl. front.) 18½cm. (*Half-title:* Our European neighbours.)

Bibliography, p. v–vi.

309.46 Social history of Spain

Higgin, L 309.46 Q200

65320 Spanish life in town and country, by L. Higgin, with chapters on Portuguese life in town and country, by Eugène E. Street. With twenty-seven illustrations. London, G. Newnes, ltd., 1902.

xii, 289, [1] p. incl. front., illus., plates. 18½cm.

309.47 Russia

Palmer, Francis H. E. 309.47 Q100

30114 Russian life in town and country. xi,[2],320 p. 15 pl. D. [Our European neighbors.] New York: G. P. Putnam's Sons, 1901.

Contents: 1. Russia behind the veil. 2. The landed proprietor's home. 3. Country life in summer. 4. Strada. 5. The peasant in serfage. 6. The country priest. 7. Life on a large estate. 8. Peasant characteristics. 9. Rural self-government. 10. A country town. 11. Jewish town life. 12. The Jewish trader. 13. The "Odnodvortsy." 14. The orthodox church and the clergy. 15. Religious thought and ritual. 16. The Russian dissenters. 17. Life in winter. 18. Town society. 19. The urban working classes. 20. Industrial co-operative associations. 21. Education and the army.

Wallace, *Sir* Donald Mackenzie, 1841– 309.47 Q5 S

62002 Russia, by Sir Donald Mackenzie Wallace . . . . Entirely new and much enlarged edition, revised and in great part rewritten. With portrait of the author and two coloured maps. New York, H. Holt and Co., 1905.

xx, 672 p. front. (port.), 2 fold. maps. 25cm.

309.47 Finland

Frederiksen, Niels Christian, 1840– 309.47 Q200

50244 Finland; its public and private economy, by N. C. Frederiksen . . . London, E. Arnold, 1902.

xi, 306 p. fold. maps. 21cm.

"Authorities consulted," p. x–xi.

Appeared simultaneously in English, French and Danish. — Note [p. iv].

309.485 Sweden

Heidenstam, Oscar Gustaf von, 1840– 309.485 Q400

61977 Swedish life in town and country, by O. G. von Heidenstam . . . . New York and London, G. P. Putnam's Sons, 1904.

viii, [2], 286 p. front., 15 pl. 19cm. (*Half-title:* Our European neighbours, [vol. XII].)

309.489 Denmark

Brochner, Jessie. 309.489 Q300

50199 Danish life in town and country, by Jessie Brochner . . . . New York and London, G. P. Putnam's Sons, 1903.

vii, 266 p. front., 15 pl. 19cm. (*Half-title:* Our European neighbors.)

309.493 Belgium

Boulger, Demetrius Charles de Kavanagh, 1853– 309.493 Q400

50168 Belgian life in town and country, by Demetrius C. Boulger . . . . New York and London, G. P. Putnam's Sons, 1904.

x, [2], 321 p. front., 15 pl. 19cm. (*Half-title:* Our European neighbours.)

309.494 Switzerland

Adams, *Sir* Francis Ottiwell, & Cunningham, C. D. 342.494 P400

10902 The Swiss Confederation. xx,289 p. 1 map. O. New York: Macmillan & Co., 1894.

Dawson, William Harbutt. 331.09494 P700 309.494 Social history of Switzerland

9928 Social Switzerland. Studies of present-day social movements and legislation in the Swiss republic. x,301,[3] p. D. London: Chapman & Hall, 1897.

Lloyd, Henry Demarest, 1847–1903. 309.494 Q700

59390 A sovereign people. A study of Swiss democracy. By Henry Demarest Lloyd. Edited by John A. Hobson. New York, Doubleday, Page & Co., 1907.

xvi, 273 p. 21cm.

Story, Alfred Thomas, 1842– 309.494 Q200

65481 Swiss life in town and country, by Alfred Thomas Story . . . . New York and London, G. P. Putnam's Sons, 1902.

viii, [2], 282 p. front., 19 pl. 19cm. (*Half-title:* Our European neighbours.)

Garnett, Lucy Mary Jane. 309.496 Q400 309.496 Turkey

61959 Turkish life in town and country, by Lucy M. J. Garnett . . . . New York and London, G. P. Putnam's Sons, 1904.

viii, [2], 336 p. front., 15 pl. 19½cm. (*Half-title:* Our European neighbors.)

Ball, James Dyer. 951 Q006 309.51 China

29313 Things Chinese: being notes on various subjects connected with China. Third edition. Revised and enlarged. [6],8,666,xxv p. O. London: Sampson Low, Marston & Co. Hongkong: Kelly & Walsh, 1900.

Arranged alphabetically.

Colquhoun, Archibald Ross. 951 P800

17990 China in transformation. ix,[1],396,[2] p. il. 1 pl. 1 map, 3 maps in pocket. O. New York: Harper & Brothers, 1899.

"List of books consulted", p. 386–388.

Parker, Edward Harper. 951 Q100

29170 China; her history, diplomacy and commerce, from the earliest times to the present day. xx,332 p. 1 pl. 17 maps. O. London: J. Murray, 1901.

Williams, Samuel Wells. 309.51 O200

149 . . . The Middle Kingdom. A survey of the geography, government, literature, social life, arts, and history of the Chinese empire and its inhabitants. Revised edition. 2 vol. il. pl. por. map in pocket. O. New York: C. Scribner's Sons, 1883.

Morgan, Henry James, 1842– 309.71 Q500 309.71 Canada

61916 Canadian life in town & country, by Henry J. Morgan and Lawrence J. Burpee. With twenty-eight illustrations. London, G. Newnes, ltd., 1905.

xii, 266, [1] p. 27 pl. (incl. front.) port. 18½cm.

"Canadian bibliography," p. 248–263.

309.72 Social history of Mexico

Biart, Lucien. 309.72 O500

15798 The Aztecs. Their history, manners, and customs. From the French. Authorized translation by J. L. Garner. 343 p. 18 il. 2 maps. O. Chicago: A. C. McClurg & Co., 1892, c. 1886.

International Bureau of the American Republics, 972 Q401

63992 *Washington, D. C.*

. . . . Mexico. Geographical sketch, natural resources, laws, economic conditions, actual development, prospects of future growth. Edited and compiled by the International Bureau of the American Republics. 1904. Washington, Gov't Print. Off., 1904.

454 p. 24 pl. 23½cm.

At head of title: International Bureau of the American Republics, Washington, D. C.

"Bibliography and cartography," p. 421–445.

309.729 Cuba and Porto Rico

Hill, Robert Thomas. 972.9 P800

15400 Cuba and Porto Rico, with the other islands of the West Indies. Their topography, climate, flora, products, industries, cities, people, political conditions, etc. xxviii,429 p. 77 pl. 2 maps. O. New York: Century Co., 1898.

309.73 United States

Bryce, James. 309.73 P401

6127 The American commonwealth. Third edition, completely revised throughout, with additional chapters. 2 vol. O. New York: Macmillan Co., 1896–1897.

Shaler, Nathaniel Southgate, *editor.* L309.73 P400

414 The United States of America. A study of the American commonwealth, its natural resources, people, industries, manufactures, commerce, and its work in literature, science, education, and self-government. 2 vol. il. pl. maps. Q. New York: D. Appleton & Co., 1894.

South End House, *Boston.* 309.744 P800

17658 The city wilderness. A settlement study by residents and associates of the South End House. Edited by Robert A. Woods, Head of the House. South End, Boston. vii,[4],319 p. 6 maps, 1 table. D. Boston: Houghton, Mifflin & Co., 1898.

Contents: 1. Cole, W. I. Introductory. 2. Haynes, F. E. Historical. 3. Bushée, F. A. Population. 4. Underhill, E. D. Public health. 5. Woods, R. A. Work and wages. 6. The roots of political power. 7. Cole, W. I. Criminal tendencies. 8. Haynes, F. E. Amusements. 9. Cole, W. I. The church and the people. 10. Strongholds of education. 11. Woods, R. A. Social recovery. 12. —. The total drift.

Tocqueville, Alexis de. 309.73 L002

17715 Democracy in America. Translation by Henry Reeve, as revised and annotated from the author's last edition by Francis Bowen. With an introduction by Daniel C. Gilman. 2 vol. por. map. O. New York: Century Co., 1898.

"Bibliographical note", p. xlvii–xlix.

Wilcox, Delos Franklin, 1873– **352.073 16** 309.73 Social history of the United States

61975 ... The American city: a problem in democracy, by Delos F. Wilcox, PH.D. New York, London, The Macmillan Company, 1904.

vii, 423 p. 19cm. (The citizen's library [of economics, politics, and sociology].)

Woods, Robert Archey, *ed.* **309.744 Q200**

50182 Americans in process; a settlement study by residents and associates of the South End House; edited by Robert A. Woods .... North and West ends, Boston. Boston and New York, Houghton, Mifflin and Co., 1902.

ix, [4], 389, [1] p. maps, plan. 19½cm.

Contents. — Woods, R. A. Metes and bounds. — Rutan, E. Y. Before the invasion. — Bushée, F. A. The invading host. — Chandler, E. H. City and slum. — Woods, R. A. Livelihood. — Woods, R. A. Traffic in citizenship. — Cole, W. I. Law and order. — Beale, J. F. & Withington, A. Life's amenities. — Cole, W. I. Two ancient faiths. — Atherton, C. S. & Rutan, E. Y. The child of the stranger. — Cole, W. I. & Miles, R. E. Community of interest. — Woods, R. A. Assimilation: a two-edged sword.

Page, Thomas Nelson, 1853– **309.75 Q403** 309.75 Negro problem

61979 The negro: the southerner's problem, by Thomas Nelson Page. New York, C. Scribner's Sons, 1904.

xii p., 1 l., 324 p. 19½cm.

Contents. — Slavery and the old relation between the southern whites and blacks. — Some of its difficulties and fallacies. — Its present condition and aspect, as shown by statistics. — The lynching of negroes: its cause and its prevention. — The partial disfranchisement of the negro. — The old-time negro. — The race question. — Of the solution of the question.

Washington, Booker Taliaferro. **309.75 P900**

20463 The future of the American negro. x,244 p. 1 por. D. Boston: Small, Maynard & Co., 1899.

Foreman, John. **991.4 P900** 309.914 Philippine Islands

17924 The Philippine Islands. A political, geographical, ethnographical, social and commercial history of the Philippine archipelago and its political dependencies, embracing the whole period of Spanish rule. Second edition, revised and enlarged. xvi,653 p. 17 pl. 1 pl. of por. 2 por. 2 maps, 1 map in pocket. O. New York: C. Scribner's Sons, [printed in London], 1899.

Le Roy, James A **309.914 Q500**

61914 Philippine life in town and country, by James A. Le Roy .... New York and London, G. P. Putnam's Sons, 1906.

[8], vii–x, [2], 311 p. front., 15 pl., fold. map. 19cm. (*Half-title:* Our Asiatic neighbours.)

Partly reprinted from the Political science quarterly for December, 1903, and the Atlantic monthly for March, 1905.

309.914 Social history of the Philippine Islands

Sawyer, Frederic Henry. 991.4 Q001

28642 The inhabitants of the Philippines. xxviii,422 p. 36 pl. 2 por. 3 maps, 1 in pocket. O. London: Sampson Low, Marston & Co., 1900.

309.931 New Zealand

Parsons, Frank, 1854– 309.931 Q300

61958 The story of New Zealand; a history of New Zealand from the earliest times to the present, with special reference to the political, industrial and social development of the island commonwealth; including the industrial evolution dating from 1870, the political revolution of 1890, the causes and consequences, and the general movement of events throughout the four periods of New Zealand history. By Prof. Frank Parsons. Edited ... by C. F. Taylor. Philadelphia, C. F. Taylor, 1904.

xxii, [2], 836 p. incl. front., illus., maps. 24cm. (Equity series.)
Bibliography, p. 804–812.

309.94 Australia

Tregarthen, Greville. 994 P301

61943 Australian commonwealth (New South Wales, Tasmania, Victoria, Western Australia, South Australia, Queensland, New Zealand) by Greville Tregarthen .... Third edition. New York, G. P. Putnam's Sons; London, T. F. Unwin, 1903.

xxiv, 444 p. incl. front., illus., ports., maps, diagr., fold. map. 20cm. [The story of the nations.]

309.469 Hawaii

Blackman, William Fremont. 309.969 P900

22561 The making of Hawaii. A study in social evolution. xii,266 p. 1 il. O. New York: Macmillan Co., 1899.

"Bibliography," p. 257–262.

310 STATISTICS

Bertillon, Jacques. L311 P500

11573 Cours élémentaire de statistique administrative. Elaboration des statistiques — organisation des bureaux de statistique — éléments de démographie. Ouvrage conforme au programme arrêté par le Conseil Supérieur de Statistique pour l'examen d'admission dans diverses administrations publiques. [2],iii,599 p. il. 3 tables, 1 map. Q. Paris: Société d'Éditions Scientifiques, 1895.

Bowley, Arthur Lyon. 311 Q200

50268 Elements of statistics, by Arthur L. Bowley .... Second edition. London, P. S. King & Son; New York, C. Scribner's Sons, 1902.

viii, [2], 336 p. incl. diagrs., tables. 16 diagr. (11 fold.) 2 fold. tables. 22cm. (*Half-title:* Studies in economics and political science, edited by W. A. S. Hewins.)

"Based on lectures given at the London School of Economics and Political Science in the five years following its foundation in 1895."

Meitzen, August. 311 P100 310 Statistics

3552 History, theory, and technique of statistics. Translated, with an introduction, by Roland P. Falkner. 2 vol. in 1, paged continuously; vol. 1: 1–100 p.; vol. 2: 101–243 p. il. tables. O. Philadelphia 1891.

Published as supplement to the *Annals of the American Academy of Political ana Social Science*, March and May, 1891.

Mulhall, Michael George. L310.3 P900

19029 The dictionary of statistics. Fourth edition, revised to November 1898. [8],853 p. 10 tables. Q. London: G. Routledge, 1899.

Newsholme, Arthur. 312 P901

30965 The elements of vital statistics. Third edition, almost entirely rewritten. xii,353 p. il. 3 tables. O. London: Swan Sonnenschein & Co.. 1899.

Smith, Richmond Mayo-. 310.2 P500

4501 Science of statistics. . . . . 2 vol. O. New York: vol. 1, Macmillan & Co.; vol. 2, Macmillan Co., 1895–1899.

Contents: Vol. 1. Statistics and sociology. xvi,399 p. Vol. 2. Statistics and economics. xiii,[2],467 p.

Social progress. 305.1 15

62016 Social progress; a year book and encyclopedia of economic, industrial, social and religious statistics. . . . . New York, The Baker and Taylor Co., [1904–].

Continued from 1904. 21cm.

"A select bibliography," 1904, p. 234–248.

Edited by Josiah Strong.

Great Britain. *Colonial Office.* 314.2 2 314.2 Statistics — Great Britain

3296 The Colonial Office list: comprising historical and statistical information respecting the colonial dependencies of Great Britain, ... Compiled from official records, ... Continued from no. 35. [1896.] maps, tables. O. London, pref. 1896–.

No. 35–36 edited by John Anderson; no. 37–, by W. H. Mercer and A. E. Collins.

Kürschners Staats-, Hof- und Kommunal-Handbuch. 354.43 5 314.3 Statistics — Germany

33498 Kürschners Staats-, Hof- und Kommunal-Handbuch des [Deutschen] Reichs und der Einzelstaaten zugleich statistisches Jahrbuch. . . . . München, E. Erztel, 1902–.

Continued from vol. 17, 1902. illus., ports. 19½cm.

Vol. 17 title reads: Staats- Hof- und Kommunal-Handbuch . . . . Herausgegeben von Joseph Kürschner. Leipzig, G. J. Göschen'sche Verlagshandlung.

317.3 Statistics—United States

U. S. A. *Department of Commerce and Labor.* **317.3 3**
5492 *Bureau of Statistics.*

Statistical abstract of the United States. . . . . Prepared by the Bureau of Statistics, under the direction of the Secretary of Commerce and Labor. Washington, Gov't Print. Off., 1879–.

Continued from no. 1, 1878. tables. 23½cm.

At head of title 1903–: Department of Commerce and Labor.

Until 1903 the Statistical abstract was issued by the Treasury Department, Bureau of Statistics.

U. S. A. *Department of the Interior. Census Office.* **L317.3 Q005**
61906 Census reports . . . . Twelfth census of the United States, taken in the year 1900. William R. Merriam, director . . . Washington, United States Census Office, 1901–1902.

10 vol. plates, maps, tables, diagrs. (partly col.) 30cm.

Contents. — vol. I–II. Population; prepared under the supervision of William C. Hunt. 2 vol. — vol. III–IV. Vital statistics; prepared under the supervision of William A. King: pt. I. Analysis and ratio tables. pt. II. Statistics of deaths. 2 vol. — vol. V–VI. Agriculture; prepared under the supervision of Le Grand Powers: pt. I. Farms, live stock and animal products. pt. II. Crops and irrigation. 2 vol. — vol. VII–X. Manufactures; prepared under the supervision of S. N. D. North: pt. I. United States by industries. pt. II. States and territories. pt. III–IV. Special reports on selected industries. 4 vol.

U. S. A. *Department of the Interior. Census Office.* **L317.3 Q008**
62025 . . . . Statistical atlas. Prepared under the supervision of Henry Gannett, geographer of the twelfth census . . . . Washington, United States Census Office, 1903.

91 p. 207 plates (partly col., incl. maps, statistical diagrs.) 30cm.

At head of title: Twelfth census of the United States, taken in the year 1900. William R. Merriam, director.

U. S. A. *Department of Commerce and Labor.* **L317.3 Q009**
42900 *Bureau of the Census.*

[Twelfth census of the United States 1900. Special reports.] Washington, Gov't Print. Off., 1901–.

Continued. 30 x 23cm.

Not complete.

U. S. A. *Department of Commerce and Labor.* **L312 Q006**
62214 *Bureau of the Census.*

. . . . Supplementary analysis and derivative tables [of the statistics of population]. Twelfth census of the United States: 1900. Washington, Gov't Print. Off., 1906.

xviii, 1144 p. front., illus. (maps, diagrs.), 1 fold. map. 30 x 23½cm. (Department of Commerce and Labor. Bureau of the Census, S. N. D. North, director. Special reports.)

"Prepared under the supervision of Prof. Walter F. Wilcox."

U. S. A. *Department of Commerce and Labor.* **L312.2 Q600** 317.3 Statistics — United States
64521 *Bureau of the Census.*

. . . . Mortality statistics. . . . . Washington, Gov't Print. Off., 1906–.

Continued from vol. 1, 1900–1904. tables. 30cm.

The first report, 1900 to 1904, has at head of title, "Department of Commerce and Labor. Bureau of the Census. S. N. D. North, director. Special reports." It was prepared under the supervision of William A. King, chief statistician for vital statistics.

The second report, 1905, has subtitle, "Sixth annual report with revised rates for intercensal years 1901 to 1904 and for quinquennial period 1900 to 1904 based upon state censuses of 1905." It was begun under the direction of William A. King, continued, after his death, by Richard C. Lappin, and completed under the direction of Cressy L. Wilbur.

Chile. **L380.983 20** 318.3 Statistics — Chile
60584 Chile of to-day; its commerce, its production and its resources. National yearly publication of reference . . . . By Adolfo Ortúzar, ... New York, the author, 1907.

Vol. 1, 1907/8. 27½cm.

See also **031**, Almanacs and Yearbooks. For statistics on special subjects, see subject.

320 POLITICAL SCIENCE

Bosanquet, Bernard. **320.1 P901** 320.1 Theory of the state
29375 The philosophical theory of the state. xviii,[2],342 p. O. London: Macmillan & Co., 1899.

M'Kechnie, William Sharp. **320.1 P601**
5940 The state & the individual. An introduction to political science, with special reference to socialistic and individualistic theories. xv,451 p. O. Glasgow, J. MacLehose & Sons, 1896.

Platon. **320.1 A3**
13954 The Republic of Plato translated into English with introduction, analysis, marginal analysis, and index by B. Jowett. The third edition, revised and corrected throughout. [6],ccxxxi,379 p. O. Oxford: Clarendon Press, 1888.

Ritchie, David George. **320.1 P400**
7645 Natural rights. A criticism of some political and ethical conceptions. xvi,304 p. O. [Library of philosophy.] London: Swan Sonnenschein & Co., 1895.

Rousseau, Jean Jacques. **320.1 P500**
6008 The social contract; or, Principles of political right. Translated, with an historical and critical introduction and notes, by Henry J. Tozer, with a preface by Bernard Bosanquet. vii,247 p. D. London: Swan Sonnenschein & Co., 1895.

320.1 Theory of the state

Willoughby, Westel Woodbury. 320.1 P600

1372 An examination of the nature of the state. A study in political philosophy. xii,448 p. O. New York: Macmillan & Co., 1896.

320.2 Compends of political science

Aristoteles. 185.1 1

10607 The politics and economics of Aristotle, translated, with notes, original and selected, and analyses. To which are prefixed, an introductory essay and a life of Aristotle, by Dr. Gillies. By Edward Walford. [6],lxxx,338,[2] p. D. [Bohn's classical library.] London: G. Bell & Sons, 1881.

Bluntschli, Johann Kaspar. 320.2 O500

9691 The theory of the state. Authorised English translation from the sixth German edition. Second edition. xxv,[2],550 p. D. Oxford: Clarendon Press, 1895.

Burgess, John William. 320.2 P001

3147 Political science and comparative constitutional law. 2 vol. O. (COLUMBIA COLLEGE. FACULTY OF POLITICAL SCIENCE. Systematic series.) Boston: Ginn & Co., 1891.

Sidgwick, Henry. 320.2 P700

10833 The elements of politics. Second edition, revised throughout. xxxiii,665 p. O. London: Macmillan & Co., 1897.

Woolsey, Theodore Dwight. 320.2 N700

11331 Political science; or, The state theoretically and practically considered. [Second edition.] 2 vol. O. New York: C. Scribner's Sons, 1893, c. 1877.

320.3 Dictionaries

Montgomery, Hugh. 320.3 Q600

54666 A dictionary of political phrases and allusions. With a short bibliography, by Hugh Montgomery ... and Philip G. Cambray. London, S. Sonnenschein & Co., ltd., 1906.

[6], 406 p. 20½cm. [Sonnenschein's dictionaries of quotations. 11.]
"Short bibliography," p. 373–400.

320.7 Teaching of political science

Bourne, Henry Eldridge, 1862– 907 Q200

50207 . . . . The teaching of history and civics in the elementary and the secondary school, by Henry E. Bourne ... New York, London, [etc.], Longmans, Green, and Co., 1902.

viii, [2], 385 p. 20½cm. (American teachers series.)
Bibliography at head of chapters.

320.9 History of political science

Dunning, William Archibald. 320.9 Q200

64538 A history of political theories, ancient and mediæval, by William Archibald Dunning . . . . New York, London, The Macmillan Company, 1905.

xxv, 360 p. 22cm.
"Bibliography," p. 327–345.
A second vol. in preparation. *cf.* Macmillan's catalogue, 1903–04.

Dunning, William Archibald. 320.9 Q501 320.9 History of political science

64539 A history of political theories from Luther to Montesquieu, by William Archibald Dunning . . . . New York, London, The Macmillan Company, 1905.

x, [2], 459 p. 22½cm.

"This volume carries forward to the middle of the eighteenth century the work begun in the History of political theories, ancient and mediæval" (1902) — Pref.

"Bibliography," p. 435-448.

Sears, Edmund Hamilton. 320.9 Q001

23016 An outline of political growth in the nineteenth century. xiii, 616 p. O. New York: Macmillan Co., 1900.

"Bibliography", p. 575-597.

Wilson, Woodrow. 320.9 P500

12036 The state. Elements of historical and practical politics A sketch of institutional history and administration. xxxvi,686 p. D. Boston, U. S. A.: D. C. Heath & Co., 1895, c. 1889.

Wilson, James Grant, *editor.* 923.173 W69 320.92 Biographies of statesmen

12239 The presidents of the United States. 1789-1894. By John Fiske, . . . , and others. xii,526 p. il. 23 por. 23 facsim. O. New York: D. Appleton & Co., 1894.

Reprinted from *Appleton's cyclopædia of American biography.*

Hill, David Jayne, 1850- 341.7 Q500 320.94 European government

64983 A history of diplomacy in the international development of Europe, by David Jayne Hill, ... New York, London, [etc.], Longmans, Green, and Co., 1905-.

Vol. 1-. fold. maps. 24cm.

Lowell, Abbott Lawrence, 1856- 320.94 P700

10110 Governments and parties in Continental Europe, by A. Lawrence Lowell. In two volumes. . . . . Boston and New York, Houghton, Mifflin & Co., 1897, [c1896].

2 vol. 22½cm.

Vol. 1: second edition; vol. 2: tenth impression.

Seignobos, Charles. 320.94 P702

22649 A political history of Europe since 1814. Translation edited by S. M. Macvane. xxi,881 p. O. New York: H. Holt & Co., 1900.

"Bibliography," at the end of each chapter.

Boutmy, Émile Gaston, 1835- 309.42 Q401 320.942 English government

64537 The English people; a study of their political psychology, by Émile Boutmy . . . . Translated from the French by E. English; with an introduction by John Edward Courtenay Bodley . . . . London, T. F. Unwin, 1904.

xxxvi, 332 p. 22½cm.

320.942 English government

Lowell, Abbott Lawrence, 1856– 320.942 Q800

63975 The government of England, by A. Lawrence Lowell .... New York, The Macmillan Company, 1908.

2 vol. 22½cm.

320.944 French government

Bodley, John Edward Courtenay. 320.944 P900

19270 France. New and revised edition. xxvii,676 p. O. London: Macmillan & Co., 1899.

320.9492 Swiss government

Vincent, John Martin. 320.9494 Q001

26930 Government in Switzerland. x,370 p. 1 map. D. (Citizen's library of economics, politics, and sociology.) New York: Macmillan Co., 1900.

"Literature of Swiss constitutional history," p. 341–360.

320.973 American government

Fairlie, John Archibald, 1872– 353 Q500

61992 The national administration of the United States of America, by John A. Fairlie .... New York, London, The Macmillan Company, 1905.

xi, 274 p. 23cm.

Fiske, John. 342 O001

9826 American political ideas viewed from the standpoint of universal history. Three lectures delivered at the Royal Institution of Great Britain in May 1880. 158 p. D. New York: Harper & Brothers, c. 1885.

Gauss, Henry Colford, 1867– 353 Q700

63968 The American government, organization and officials, with the duties and powers of federal office holders; an original summarization by H. C. Gauss, with a compilation of data from official sources. New York, L. R. Hamersly & Co., 1908.

xxiii, 871 p. 24cm.

Hart, Albert Bushnell, 1854– 320.973 Q302

50278 .... Actual government as applied under American conditions. By Albert Bushnell Hart .... New York, London, [etc.], Longmans, Green, and Co., 1903.

xlv, 599 p. front., plates, maps, table. 20½cm. (American citizen series.)

"Select bibliography of American government," p. [xiii]–xxxiv.

Hart, Albert Bushnell, 1854– 016.973 H25

50251 Handbook of the history, diplomacy, and government of the United States, for class use, by Albert Bushnell Hart ... Cambridge, [Mass.], printed for the University, 1901.

[6], 449 p. 21½cm.

Contents. — Preliminary suggestions. — Materials. — Lectures. — Parallel readings. — Weekly papers. — Special reports. — Examinations.

Johnston, Alexander, 1849–1889. **320.973 Q205** 320.973 American government

50234 History of American politics, by Alexander Johnston ... Revised and enlarged by William M. Sloane ... continued by Winthrop More Daniels .... New York, H. Holt and Co., 1902.

xiii, 437 p. 16cm. (Handbooks for students and general readers.)
"Authorities," p. v–vii.

See also **342**, Constitutional history; **350**, Administration; **352**, Municipal government.

Godkin, Edwin Lawrence. **321.8 P800** 321 Form of state

16250 Unforeseen tendencies of democracy. [2],vii,265 p. O. Boston: Houghton, Mifflin & Co., 1898.

Contents: Former democracies. Equality. The nominating system. The decline of legislatures. Peculiarities of American municipal government. The growth and expression of public opinion. The Australian democracy.

Lecky, William Edward Hartpole. **321.8 P600**

860 Democracy and liberty. 2 vol. D. New York: Longmans, Green, & Co., 1896.

Maine, *Sir* **Henry Sumner.** **309 O300**

10087 Dissertations on early law and custom, chiefly selected from lectures delivered at Oxford. 6,[2],402 p. O. New York: H. Holt & Co., 1886.

Contents: 1. The sacred laws of the Hindus. 2. Religion and law. 3. Ancestor-worship. 4. Ancestor-worship and inheritance. 5. Royal succession and the Salic law. 6. The king, in his relation to early civil justice. 7. Theories of primitive society. 8. East European house communities. 9. The decay of feudal property in France and England. 10. Classifications of property. 11. Classifications of legal rules.

Maine, *Sir* **Henry Sumner.** **321.2 N600**

10995 Village-communities in the East and West. Six lectures delivered at Oxford. Seventh edition. xii,413 p. O. London: J. Murray, 1895.

Contains also the following lectures: The effects of observation of India on modern European thought. Address to the University of Calcutta. The theory of evidence. Roman law and legal education.

Mallock, William Hurrell. **335.01 O200**

3137 Social equality: a short study in a missing science. 212 p. D. New York: G. P. Putnam's Sons, 1882.

May, *Sir* **Thomas Erskine.** **309.4 N700**

218 Democracy in Europe: a history. 2 vol. O. London: Longmans, Green, & Co., 1877.

Morgan, Lewis Henry. **309.3 N700**

15365 Ancient society; or, Researches in the lines of human progress from savagery through barbarism to civilization. xvi,560 p. O. New York: H. Holt & Co., 1878.

321 Form of state

Oberholtzer, Ellis Paxson. 321.85 Q001

25194 The referendum in America, together with some chapters on the history of the initiative and other phases of popular government in the United States. x,[2],430 p. O. New York: C. Scribner's Sons, 1900.

323 Internal relations

Jackson, Helen [*born* **Fiske,** *formerly* **Hunt**]. 970.5 O500

10238 A century of dishonor. A sketch of the United States Government's dealings with some of the Indian tribes. New edition enlarged by the addition of the report of the needs of the Mission Indians of California. x,514 p. D. Boston: Roberts Brothers, 1895, c. 1885.

Mill, John Stuart. 304 M59

847 On liberty. The subjection of women. [2],394 p. O. New York: H. Holt & Co., 1873.

324 Suffrage

Commons, John Rogers, 1862– 324.2 Q700

64540 Proportional representation. Second edition, with chapters on the initiative, the referendum, and primary elections, by John R. Commons . . . . New York, London, The Macmillan Company, 1907.

xi, 369 p. incl. illus., tables. 19½cm.

Dallinger, Frederick William. 324.73 P700

10782 Nominations for elective office in the United States. xiv,290 p. O. [HARVARD UNIVERSITY. Harvard historical studies, vol. 4.] New York: Longmans, Green, & Co., 1897.

Haynes, George Henry, 1866– 324.73 Q600

64541 . . . . The election of senators, by George H. Haynes . . . . New York, H. Holt and Co., 1906.

xi, 295 p. 19cm. (*Half-title:* American public problems.)
Series title also at head of t.-p.
"Bibliography," p. 277–283.

Meyer, Ernst Christopher. 324.2 Q200

50249 Nominating systems: direct primaries versus conventions in the United States, by Ernst Christopher Meyer. Madison, Wis., The author, 1902.

xx, 501 p. 22½cm.
With bibliographical references.

Ostrogorskiĭ, Moiseĭ Iakovlevich, *1854–*. 396.2 P300

10982 The rights of women. A comparative study in history and legislation. Translated under the author's supervision. xv,232 p. D. [Social science series, vol. 68.] London: Swan Sonnenschein & Co., 1893.

Ireland, Alleyne, 1871– **325.3 Q500** 325 Colonization

[61989] The Far Eastern tropics; studies in the administration of tropical dependencies: Hong Kong, British North Borneo, Sarawak, Burma, the federated Malay states, the Straits Settlements, French Indo-China, Java, the Philippine Islands, by Alleyne Ireland . . . . Boston and New York, Houghton, Mifflin and Co., 1905.

vii, [2], 339, [1] p. fold. map (in pocket). 21cm.

"Bibliographical appendix," p. [303]–313.

"The present volume is made up of two series of articles written during my absence in the Far East. One series appeared in 'the Times' (London), the other in 'the Outlook' (New York)." — Pref.

Lewis, *Sir* George Cornewall. **325.3 K100**

[10091] An essay on the government of dependencies. (Originally published in 1841.) Edited with an introduction by C. P. Lucas. lxviii,392 p. O. Oxford: Clarendon Press, 1891.

Morris, Henry Crittenden. **325.3 Q002**

[27261] The history of colonization from the earliest times to the present day. 2 vol. O. New York: Macmillan Co., 1900.

"Bibliography," vol. 2, p. 325–355.

Reinsch, Paul Samuel, 1869– **325.3 Q502**

[64542] . . . . Colonial administration, by Paul S. Reinsch . . . . New York, London, The Macmillan Company, 1905.

viii, 422 p. incl. diagrs. 19cm. (*Half-title:* The citizen's library of economics, politics, and sociology.)

At head of t.-p.: The citizen's library.

"References" at end of chapters.

Reinsch, Paul Samuel, 1869– **325.3 Q206**

[64523] . . . . Colonial government; an introduction to the study of colonial institutions by Paul S. Reinsch . . . . New York, London, The Macmillan Company, 1902.

x, 386 p. 19½cm. (*Half-title:* The citizen's library of economics, politics and sociology.)

Series title also at head of t.-p.

"References" at end of each chapter.

Mommsen, Theodor. **937 O100** 325.337 Roman colonization

[21374] The provinces of the Roman Empire from Caesar to Diocletian. Translated with the author's sanction and additions, by William P. Dickson. With . . . maps by Professor Kiepert. 2 vol. maps. O. [History of Rome.] New York: C. Scribner's Sons, 1887.

Dilke, *Sir* Charles Wentworth, *Bart.* **325.342 P001** 325.342 English colonization

[1368] Problems of Greater Britain. 2 vol. maps. O. London: Macmillan & Co., 1890.

325.342 English colonization

Egerton, Hugh Edward. 325.342 P700

14317 A short history of British colonial policy. xv,503 p. O. London: Methuen & Co., 1897.

Great Britain. *Emigrants' Information Office.* 908.42 1

48352 Handbook. . . . . Issued by the Emigrants' Information Office. London, printed for His Majesty's Stationery Office, 1904–.

Continued from 1904. maps. 22cm.

Each year consists of fourteen parts: 1. Canada. 2. New South Wales. 3. Victoria. 4. South Australia. 5. Queensland. 6. Western Australia. 7. Tasmania. 8. New Zealand. 9. Cape Colony. 10. Natal. 11. Transvaal. 12. Orange River Colony. 13. Professional handbook. 14. Emigration statutes and general handbook.

Lucas, Charles Prestwood, 1853– 908.42 0800

3290 A historical geography of the British colonies, by C. P. Lucas, B.A. . . . . Oxford, Clarendon Press, 1888–.

Vol. 1–. maps, fold. diagr. 19½cm.

325.343 German colonization

Langhans, Paul. L912 P700

11658 Deutscher Kolonial-Atlas. Unpaged. 30 maps. F4. Gotha: J. Perthes, 1897.

325.373 American colonization

Willis, Henry Parker, 1874– 325.914 Q500

64543 Our Philippine problem; a study of American colonial policy by Henry Parker Willis . . . . New York, H. Holt and Co., 1905.

xiii, 479 p. 2 maps. 19½cm.

One map on end paper.

Willoughby, William Franklin, 1867– 325.373 Q500

61998 . . . . Territories and dependencies of the United States, their government and administration, by William Franklin Willoughby . . . . New York, The Century Co., 1905.

xi, 334 p. 20cm. (The American state series.)

"Bibliographical note: Official publications regarding the territories and dependencies of the United States," p. 325–330.

325.5 Colonization in Asia

Colquhoun, Archibald Ross, 1848– 990 Q200

50253 The mastery of the Pacific, by Archibald R. Colquhoun . . . . New York, London, The Macmillan Company, 1902.

xvi, 440 p. front., illus., pl., maps. 23½cm.

Contents. — Introduction. — The United States in the Pacific. — Great Britain in the Pacific. — The Dutch in the Pacific. — Japan in the Pacific. — Other powers in the Pacific. — Conclusion.

325.6 Colonization in Africa

Johnston, *Sir* Harry Hamilton. 325.6 P900

20531 A history of the colonization of Africa by alien races. Stereotype edition. xiii,319 p. 8 maps. D. [Cambridge historical series.] Cambridge: University Press, 1899.

"Bibliography of the history of colonization of Africa. Books specially useful," p. 300–302.

Hall, Prescott Farnsworth, 1868– 325.73 Q600 325.73 Immigration

64524 . . . . Immigration and its effects upon the United States, by Prescott F. Hall . . . . New York, H. Holt and Co., 1906.

xiii, 393 p. 19½cm. (*Half-title:* American public problems.)

Series title also at head of t.-p.

"Bibliography," p. 369–374.

Contents. — Immigration and emigration. — The effects of immigration. — Immigration legislation. — Chinese immigration. — Appendices.

Steiner, Edward A , 1866– 325.73 Q604

64525 On the trail of the immigrant [by] Edward A. Steiner . . . . New York, Chicago, [etc.], F. H. Revell Company, [c1906].

375 p. front., 15 pl. 21½cm.

Partly republished from the Outlook.

U. S. A. *Treasury Department.* 325.73 P500

1392 *Immigration Investigating Commission.*

Immigration service. Report of the Immigration Investigating Commission . . . . 183 p. O. Washington 1895.

Jenks, Edward, 1861– 993 P500 325.93 Colonization in Australia

52192 A history of the Australasian colonies (from their foundation to the year 1893) by Edward Jenks, ... Stereotyped edition. Cambridge, University Press, 1896.

xvi, 352 p. incl. pl. 2 fold maps. 19½cm. (*Half-title:* Cambridge historical series. . . . .)

Douglas, *Sir* **Robert Kennaway,** 1838– 950 Q400 327 International relations

61990 Europe and the Far East, by Sir Robert K. Douglas . . . . Cambridge, University Press, 1904.

vii, [1], 450 p. 5 fold. maps. 19½cm. (*Half-title:* Cambridge historical series. Edited by G. W. Prothero.)

Bibliography, p. [428]–438.

Foster, John Watson, 1836– 327.73 Q301

64526 American diplomacy in the Orient, by John W. Foster . . . . Boston and New York, Houghton, Mifflin and Co., 1903.

xiv, [2], 498 p. 22½cm.

Foster, John Watson. 327.73 Q002

26950 A century of American diplomacy. Being a brief review of the foreign relations of the United States, 1776–1876. xiii,[2],497 p. 5 maps. O. Boston: Houghton, Mifflin & Co., 1901.

Henderson, John Brooks. 327.73 Q100

29511 American diplomatic questions. ix,529 p. O. New York: Macmillan Co., 1901.

Contents: 1. The fur seals and Bering Sea award. 2. The interoceanic canal problem. 3. The United States and Samoa. 4. The Monroe doctrine. 5. The northeast coast fisheries.

327 International relations

Reddaway, William Fiddian. 327.73 P800

12481 The Monroe doctrine. vii,162 p. D. Cambridge: University Press, 1898.

328.429 Parliament

Dickinson, G. Lowes. 328.429 P500

4505 The development of Parliament during the nineteenth century. viii,183 p. O. London: Longmans, Green, & Co., 1895.

Skottowe, Britiffe Constable. 328.429 O600

11615 A short history of parliament. [Fourth edition.] xii,339 p. D. [Social science series, vol. 44.] London: Swan Sonnenschein & Co., 1895.

328.73 Congress

McConachie, Lauros Grant. 328.739 P800

16583 Congressional committees. A study of the origins and development of our national and local legislative methods. xiv,441 p. D. [Library of economics and politics.] New York: T. Y. Crowell & Co., c. 1898.

U. S. A. *Congress.* 328.73 G900

18729 . . . . Official congressional directory, for the use of the United States Congress. . . . . Washington, Gov't Print. Off., 1845–.

28th Congress, 2nd session, 1845; continued from 43d Congress, 1873. illus., plates, plans. 19cm.–24cm.

28th – 49th Congress title reads: Congressional directory.

Various editions.

Of the 43d – 46th, 49th – 52d Congress, several editions are missing.

329 Political parties

Macy, Jesse, 1842– 329 Q400

64527 . . . . Party organization and machinery, by Jesse Macy . . . . New York, The Century Co., 1904.

xvii, 299 p. 20cm. (The American state series.)

Ostrogorskiĭ, Moiseĭ Iakovlevich, 1854– 329 Q200

50177 Democracy and the organization of political parties, by M. Ostrogorski ... translated from the French by Frederick Clarke ... with a preface by the Right Hon. James Bryce . . . . New York, London, The Macmillan Company, 1902.

2 vol. 22½cm.

330 POLITICAL ECONOMY

330.1 Theory of political economy

Böhm-Bawerk, Eugen von. 330.1 O802

12888 The positive theory of capital. Translated with a preface and analysis by William Smart. xl,428 p. O. London: Macmillan & Co., 1891.

Clark, John Bates. 330.1 P902

23484 The distribution of wealth. A theory of wages, interest and profits. xxviii,[2],445 p. il. O. New York: Macmillan Co., 1899.

Davenport, Herbert Joseph, 1861– **330.1 Q702** 330.1 Theory of political economy

64628 Value and distribution; a critical and constructive study, by Herbert Joseph Davenport . . . . Chicago, The University of Chicago Press, 1908.

xi, 582 p. 23cm.

Hobson, John Atkinson, 1858– **330.1 Q001**

22875 . . . . The economics of distribution, by John A. Hobson, ... New York, London, The Macmillan Company, 1900.

ix, 361 p. 19½cm. (The citizen's library [of economics, politics, and sociology].)

Contents. — 1. The determination of a market-price. — 2. Producer's and consumer's rents. — 3. The determination of long-period prices and of value. — 4. The laws of rent as the basis of coördination of the factors of production. — 5. The grading of labour and capital. Marginal and differential payments. — 6. The coördination of the factors of production. Effects on the theory of price and distribution. — 7. Bargains for the sale of labour-power. — 8. Bargains for the use of capital. — 9. Böhm-Bawerk's positive theory of capital. — 10. The theory of surplus value — its influence upon distribution.

Laveleye, Emile de. **330.1 O701**

6312 Luxury. Second edition. iv,179 p. D. [Social science series, vol. 24.] London: Swan Sonnenschein & Co., 1891.

Contains a bibliography of Laveleye's works.

Contains also: Law and morals in political economy.

Ruskin, John. **330.1 N100**

6764 Munera pulveris. Six essays on the elements of political economy. With an introduction by Charles Eliot Norton. Brantwood edition. xl,217 p. D. New York: C. E. Merrill & Co., 1891.

Contents: 1. Definitions. 2. Store-keeping. 3. Coin-keeping. 4. Commerce. 5. Government. 6. Mastership.

Smart, William. **330.1 P102**

17063 An introduction to the theory of value on the lines of Menger, Wieser, and Böhm-Bawerk. vi,88 p. D. London: Macmillan & Co., 1891.

Taussig, Frank William. **330.1 P600**

4894 Wages and capital: an examination of the wages fund doctrine. xviii,329 p. D. New York: D. Appleton & Co., 1896.

Veblen, Thorstein [B]. **330.1 P905**

50911 The theory of the leisure class. An economic study of institutions by Thorstein Veblen. New York, London, The Macmillan Company, 1905, [c1899].

viii, 400 p. 19½cm.

Bullock, Charles Jesse. **330.2 Q004** 330.2 Compends of political economy

27048 Introduction to the study of economics. New edition, revised and enlarged. 581 p. D. New York: Silver, Burdett & Co., c. 1900.

"Bibliography" following each chapter, collected on p. 553–571. "Limited to the works that possess importance for the general student."

330.2 Compends of political economy

Ely, Richard Theodore. 330.2 Q105

31185 An introduction to political economy. New and revised edition. x,[2],387 p. O. New York: Eaton & Mains, 1901.

"Bibliography," p. 366–377.

Ely, Richard Theodore. 330.2 P302

17940 Outlines of economics. xii,432 p. 6 il. O. New York: Hunt & Eaton, 1893.

"Bibliography," p. 413–426.

Hadley, Arthur Twining. 330.2 P601

4878 Economics; an account of the relations between private property and public welfare. xi,496 p. O. New York: G. P. Putnam's Sons, 1897.

Marshall, Alfred, 1842– 330.2 Q706

65430 Principles of economics. By Alfred Marshall, ... Fifth edition. . . . . London, Macmillan and Co., ltd., 1907–.

Vol. 1–. 22½cm.

Nicholson, Joseph Shield, 1850– 330.2 P301

17054 a Principles of political economy. By J. Shield Nicholson, ... Vol. I–[III]. New York, London, The Macmillan Company, 1897–1901.

3 vol. 23cm.

Vol. 1 published in 1898, c1893.

Seligman, Edwin Robert Anderson, 1861– 330.2 Q500

61910 . . . . Principles of economics, with special reference to American conditions, by Edwin R. A. Seligman . . . . New York, London, [etc.], Longmans, Green, and Co., 1905.

xlvi, 613 p. map, charts. 20cm. (*Half-title:* American citizen series. Edited by A.B. Hart.)

Series title also at head of t.-p.

"Suggestions for students and general references," p. xvii–xlvi.

"References" at head of chapters.

Smith, Adam, 1723–1790. 330.2 F8

65785 An inquiry into the nature and cause of the wealth of nations, by Adam Smith. Edited, with an introduction, notes, marginal summary and an enlarged index, by Edwin Cannan . . . . London, Methuen & Co., [1904].

2 vol. 23cm.

"The text of the present edition is copied from that of the fifth." — Pref.

Walker, Francis Amasa. 330.2 O701

4896 Political economy. Third edition, revised and enlarged. vi,[2], 537 p. il. O. (American science series, advanced course.) New York: H. Holt & Co., 1888.

Elster, Ludwig, *editor.* **L330.3 P800** 330.3 Dictionaries of political economy

22794 Wörterbuch der Volkswirtschaft. . . . . 2 vol. Q. Jena: G. Fischer, 1898.

"Litteratur" with each subject.

Biographical sketches scattered through the work.

Handwörterbuch. **L303 P800**

26723 Handwörterbuch der Staatswissenschaften. Herausgegeben von Dr. J. Conrad, Dr. L. Elster, Dr. W. Lexis, Dr. Edg. Loening. Zweite, gänzlich umgearbeitete Auflage. 7 vol. Q. Jena: G. Fischer, 1898–1901.

Palgrave, Robert Harry Inglis, *editor.* **330.3 P400**

5981 Dictionary of political economy. 3 vol. O. London: Macmillan & Co., 1894–1899.

Say, Léon, & Chailley-Bert, Joseph. **L330.3 P100**

18136 Nouveau dictionnaire d'économie politique . . . . 2 vol. and supplement. Q. Paris: Guillaumin et Cie, 1893–1897.

"Bibliographie", at the end of the most important articles and also in the Table analytique, vol. 2, p. 1265–1345.

Andrews, Elisha Benjamin. **174 P400** 330.4 Economic essays

9707 Wealth and moral law. The Carew lectures for 1894, Hartford Theological Seminary. 135 p. D. Hartford, Conn.: Hartford Seminary Press, 1894.

Hobson, John Atkinson. **304 H65**

28721 The social problem: life and work. x,[2],295 p. O. London: J. Nisbet & Co., 1901.

Keynes, John Neville. **330.7 P001**

14935 The scope and method of political economy. Second edition, revised. xiv,374 p. D. London: Macmillan & Co., 1897, pref. 1890.

Willoughby, Westel Woodbury. **304 W68**

28397 Social justice. A critical essay. xii,[2],385 p. O. New York: Macmillan Co., 1900

Bücher, Karl. **330.9 Q005** 330.9 History of political economy

30007 Industrial evolution. By Carl Bücher. Translated from the third German edition by S. Morley Wickett. xi,[2],393 p. O. New York: H. Holt & Co., 1901.

Contents: 1. Primitive economic conditions. 2. The economic life of primitive peoples. 3. The rise of national economy. 4. A historical survey of industrial systems. 5. The decline of the handicrafts. 6. The genesis of journalism. 7. Union of labour and labour in common. 8. Division of labour. 9. Organization of work and the formation of social classes. 10. Internal migrations of population and the growth of towns considered historically.

330.9 History of political economy

Cohn, Gustav. 330.9 O500

3394 A history of political economy. Translated by Dr. Joseph Adna Hill. With an introductory note by Edmund J. James. 142 p. O. Philadelphia 1894.

Published as supplement to the *Annals of the American Academy of Political and Social Science*, March, 1894.

Cossa, Luigi. 330.9 P300

80 An introduction to the study of political economy. Revised by the author and translated from the Italian by Louis Dyer. x, [2],587 p. D. London: Macmillan & Co., 1893.

A history of the literature of political economy with bibliographical references.

Gibbins, Henry de Beltgens. 380.94 P100

12744 The history of commerce in Europe. Second edition. viii,233 p. 9 maps. D. [Elementary commercial class-books.] London: Macmillan & Co., 1897.

Ingram, John Kells. 330.9 O700

4521 A history of political economy. With preface by Prof. E. J. James. xv,[2],250 p. D. New York: Macmillan & Co., 1894, c. 1887.

Rogers, James Edwin Thorold. 309.4 O800

217 The economic interpretation of history. (Lectures delivered in Worcester College Hall, Oxford, 1887–8.) xvii,[3],547 p. O. London: T. Fisher Unwin, 1888.

Spahr, Charles Barzillai. 330.9 P601

9613 An essay on the present distribution of wealth in the United States. Second edition. viii,184 p. D. [Library of economics and politics, vol. 12.] New York: T. Y. Crowell & Co., c. 1896.

Wells, David Ames. 330.9 O900

328 Recent economic changes and their effect on the production and distribution of wealth and the well-being of society. xii, 493 p. O. New York: D. Appleton & Co., 1890.

330.942 English economic conditions

Ashley, William James. 330.942 O800

13487 An introduction to English economic history and theory. . . . . Third edition. [Vol. 1, part 1]–2. D. London: Longmans, Green, & Co., 1894–1898.

Contents: Part 1. The Middle Ages. Part 2. The end of the Middle Ages.
"Authorities," at the beginning of each chapter.

Cheyney, Edward Potts. 309.42 Q100

28385 An introduction to the industrial and social history of England. x,[2],317 p. il. 13 pl. 3 maps, 2 facsim. 1 table. O. New York: Macmillan Co., 1901.

"Bibliography" at the end of each chapter except the first.

Cunningham, William, 1849– 330.942 P600 330.942 English economic conditions

62032 The growth of English industry and commerce . . . . By W. Cunningham . . . . Cambridge, University Press, 1896–1903.

3 vol. 23cm.

Vol. 2–3 paged continuously; vol. 2: xxviii, 608 p.; vol. 3: xii, [609]–1039 p.

Vol. 1: third edition; vol. 2–3 first published in 1882.

"List of authorities," [vol. 1], p. [651]–673; "Bibliographical index," [vol. 3], p. 943–998.

Contents. — [vol. 1.] Early and middle ages. 1896. xv, [1], 714 p. — [vol. 2–3.] Modern times. 1903. 2 vol.

Toynbee, Arnold. 330.942 O400

17913 Lectures on the industrial revolution of the 18th century in England. Popular addresses, notes and other fragments. Together with a short memoir by B. Jowett. [Edited by Alfred Milner.] Fifth edition — with appendix. xxxvii, 319 p. O. London: Longmans, Green & Co., 1896, pref., 1884.

Contents: Ricardo and the old political economy. The industrial revolution. Popular addresses: 1. Wages and natural law. 2. Industry and democracy. 3. Are radicals socialists? The education of co-operators. The ideal relation of church and state. Notes and jottings.

Bogart, Ernest Ludlow, 1870– 330.973 Q703 330.973 American economic conditions

63576 The economic history of the United States, by Ernest Ludlow Bogart . . . . New York, [etc.], Longmans, Green, and Co., 1908.

xv, 522 p. incl. front., illus., tables. maps. 21cm. (*Half-title:* Longmans' commercial text-books, edited by G. M. Fisk . . . and E. D. Jones.)

"Bibliography," p. 471–502.

"Selected references" at end of chapters.

Leroy-Beaulieu, Pierre, 1871– 330.973 Q600

64529 The United States in the twentieth century, by Pierre Leroy-Beaulieu; authorized translation by H. Addington Bruce. New York and London, Funk & Wagnalls Co., 1906.

xxvi, 396 p. 20½cm.

Wright, Carroll Davidson. 330.973 P500

12440 The industrial evolution of the United States. 362 p. il. 1 por. 4 maps. D. (Chautauqua reading circle literature.) Meadville, Penna.: Flood & Vincent, 1897.

331-331.7 LABOR

U. S. A. *Laws, statutes, etc.* 331.007 Q700 331.007 Labor laws

64670 . . . . Laws relating to the employment of women and children in the United States. July, 1907. Washington, Gov't Print. Off., 1907.

150 p. 25cm.

At head of title: Department of Commerce and Labor. Bureau of Labor.

331.01-331.08 Labor: General works

Brooks, John Graham, 1846– **331.04 B79**

50188 The social unrest; studies in labor and socialist movements, by John Graham Brooks. New York, London, The Macmillan Company, 1903.

[8], 394 p. 20½cm.

Chapman, Sydney John, 1871– **331.04 C36**

45755 Work and wages. In continuation of Lord Brassey's 'Work and wages' and 'Foreign work and English wages'. ... By Sydney J. Chapman, M.A. ... with an introduction by Lord Brassey, K.C.B., ... London, New York, [etc.], Longmans, Green, and Co., 1904–.

Vol. 1–. 23½cm.

Commons, John Rogers, 1862– , *ed.* **331.08 3**

66381 Trade unionism and labor problems; edited with an introduction, by John R. Commons ... . Boston, New York, [etc.], Ginn & Co., [c1905].

[4], iii–xiv, 628 p. 21½cm. (*Half-title:* Selections and documents in economics.)

Reprinted from various reports and periodicals.

Contents. — Introduction (analysis of chapters). By J. R. Commons. — Trade agreements. By J. R. Commons. — The miners' union: its business management. By F. J. Warne. — The teamsters of Chicago. By J. R. Commons. — The New York building trades. By J. R. Commons. — The Chicago building trades dispute of 1900. By E. L. Bogart. — The incorporation of trade unions. Symposium. — Decisions of courts in labor disputes. — State arbitration and the minimum wage in Australasia. By H. W. Macrosty. — Labor conditions in slaughtering and meat packing. By J. R. Commons. — The introduction of the linotype. By G. E. Barnett. — The premium plan of paying for labor. By F. S. Halsey and J. Rowan. — The printing trades and the crisis in British industry (restriction of output). By G. B. Dibblee. — The system of apprenticeship at the Baldwin locomotive works. By S. M. Vauclain. — The sweating system in the clothing trade. By J. R. Commons. — Slavs in coal mining. By F. J. Warne and J. R. Commons. — The negro artisan. Symposium. — Women in the clothing trade. By M. H. Willett. — Women's wages in manual work. By M. B. Hammond. — Employment of girls in the textile industries of Pennsylvania. By P. Roberts. — The printer's health. By J. W. Sullivan. — Hours of labor. [By the] U. S. Industrial Commission. — Massachusetts labor legislation. By S. S. Whittelsey. — State regulation of employment. Decisions of courts. — The benefit system of the Cigar Makers' Union. By H. L. Sumner. — Employers' liability and accident insurance. By A. F. Weber. — Workmen's insurance in Germany. By N. Pinkus. — Insurance against unemployment. By W. F. Willoughby. — Public employment offices in the United States and Germany. By E. L. Bogart.

Drage, Geoffrey. **331.02 P600**

6284 The labour problem. xv,424 p. il. O. London: Smith, Elder, & Co., 1896.

Gilman, Nicholas Paine. **331.04 G42**

21776 A dividend to labor. A study of employers' welfare institutions. viii,400 p. O. Boston: Houghton, Mifflin & Co., 1899.

Contents: Part 1. The modern employer: 1. An essential matter. 2. A realizable ideal. 3. Robert Owen the manufacturer. Part 2. An indirect dividend to labor: 4. Welfare-institutions in Germany. 5. Patronal institutions in France. 6. Patronage in Holland and Belgium. 7. British employers' institutions. 8. American liberality to workmen. Part 3. A direct dividend to labor: 9. Five cases of profit sharing. 10. Profit sharing to-day. 11. The reasonable way.

"Bibliography," p. 389–392.

Hobson, John Atkinson. 338.4 P401 331.01-331-08 Labor: General works

10327 The evolution of modern capitalism. A study of machine production. xiv,[2],388 p. il. D. [Contemporary science series, vol. 25.] London: W. Scott, 1894.

Hobson, John Atkinson. 331.02 P100

5923 Problems of poverty. An inquiry into the industrial condition of the poor. Third edition. vi,[2],232 p. D. [Social questions of to-day.] London: Methuen & Co., 1896.

Contains a list of authorities cited.

Nicholson, Joseph Shield, 1850– 333.042 Q600

64676 The relations of rents, wages and profits in agriculture, and their bearing on rural depopulation; by J S. Nicholson .... London, S. Sonnenschein & Co., ltd.; New York, C. Scribner's Sons, 1906.

viii, 176 p. 19½cm. [Social science series.]

Reformers' year book. 331.052 2

10260 The Reformers' year book, ... Formerly the Labour annual .... London, pref. 1894–.

Continued from vol. 1, 1895. illus. 19cm.

Vol. 1–6 title reads: The Labour annual, with various subtitles; vol. 7, The Reformers' year book; being the Labor annual ... ; vol. 7–10 subtitle reads: The literary guide to the reform movements of the twentieth century.

Vol. 1 is in second edition.

Shadwell, Arthur, 1854?– 338 Q601

64655 Industrial efficiency; a comparative study of industrial life in England, Germany and America, by Arthur Shadwell .... In two volumes. London, New York and Bombay, Longmans, Green, and Co., 1906.

2 vol. 23½cm.

Contents.—vol. 1. General comparisons and national qualities. Industrial districts in England. Industrial districts in Germany. Industrial districts in America. xiii, 346, [2] p.—vol. 2. Factory laws. Factory conditions. Hours. Wages. Workmen's compensation and insurance. Benevolent institutions. Housing. Cost of living and physical conditions. Social conditions. Trade unions and industrial disputes. Pauperism and thrift. Elementary education. Technical education. Conclusion. Index. x, 488 p.

Smart, William. 331.01 P900

22489 The distribution of income. xv,341 p. O. London: Macmillan & Co., 1899

A theoretical study of the nature of the national income, and its distribution among the several factors in production, namely: land, capital, and labour.

Brabrook, Edward William. 334 4 331.0942 Labor conditions, England

19275 Provident societies and industrial welfare. 224 p. D. [Victorian era series.] London: Blackie & Son, 1898.

Schulze-Gaevernitz, Gerhart von. 331.0942 P001

10981 Social peace. A study of the trade union movement in England. Translated by C. M. Wicksteed, and edited by Graham Wallas. xx,300 p. D. [Social science series, double vol. 5.] London: Swan Sonnenschein & Co., 1893.

331.0942 Labor conditions, England

Woods, Robert Archey. 309.42 P100

11579 English social movements. Third edition. vii,[2],277 p. D. New York: C. Scribner's Sons, 1897, c. 1891.

Contents: 1. The labor movement. 2. Socialism. 3. The university settlements. 4. University extension. 5. The social work of the church. 6. Charity and philanthropy. 7. Moral and educational progress.

331.0943 Germany

Dawson, William Harbutt, 1860– 331.0943 Q600

64671 The German workman; a study in national efficiency, by William Harbutt Dawson . . . . London, P. S. King & Son; New York, C. Scribner's Sons, 1906.

xii, 304 p. 19½cm.

Contents. — Labour registries. — Munich labour bureau. — Insurance against worklessness. — The relief of wandering workers. — Labour colonies. — Relief works for the unemployed. — Housing of the working classes. — Municipal house bureaux. — Shelters for the homeless. — The anti-consumption crusade. — The Berlin convalescent homes. — The doctor in the school. — Municipal pawnshops. — Industrial courts of arbitration. — The industrial insurance laws. — Workmen's secretariates. — Municipal information bureaux. — The German poor law. — The Elberfeld poor relief system. — The treatment of industrial malingering. — The Berlin workhouse. — Dresden municipal workhouse.

331.09494 Switzerland

Dawson, William Harbutt. 331.09494 P700

9928 Social Switzerland. Studies of present-day social movements and legislation in the Swiss republic. x,301,[3] p. D. London: Chapman & Hall, 1897.

331.0973 United States

Addams, Jane, 1860– 331.0973 Q601

65321 . . . . Newer ideals of peace, by Jane Addams . . . . New York, London, The Macmillan Company, 1907.

xviii, 243 p. 19cm. (*Half-title:* The citizen's library of economics, politics, and sociology.)

Series title also at head of t.-p.

"Parts of two chapters have been published before in the form of addresses, and two others as articles in the North American review and in the American journal of sociology." — Prefatory note.

Contents. — Introduction. — Survivals of militarism in city government. — Failure to utilize immigrants in city government. — Militarism and industrial legislation. — Group morality in the labour movement. — Protection of children for industrial efficiency. — Utilization of women in city government. — Passing of the war virtues.

Ely, Richard Theodore, 1854– 331.0973 Q500

62001 . . . . The labor movement in America, by Richard T. Ely . . . . New edition, revised and enlarged. New York, London, The Macmillan Company, 1905.

[8, v]–xvi, [2], 399 p. 19½cm. (The citizen's library [of economics, politics, and sociology].)

Hapgood, Hutchins, 1869– 331.09773 Q700

64668 The spirit of labor, by Hutchins Hapgood . . . . New York, Duffield & Co., 1907.

410 p. 20cm.

Hull-House, *Chicago.* **331.09773 P500** 331.0973 Labor conditions, United States

11355 Hull-House maps and papers. A presentation of nationalities and wages in a congested district of Chicago, together with comments and essays on problems growing out of the social conditions. By residents of Hull-House, a social settlement, ... , Chicago, Ill. viii,230 p. 8 pl. 2 maps in pockets, 2 tables. O. [Library of economics and politics, vol. 5.] New York: T. Y. Crowell & Co., c. 1895.

Contents: Addams, J. Prefatory note. 1. Holbrook, A. S. Map notes and comments. 2. Kelley, F. The sweating-system. 3. Kelley, F. & Stevens, A. P. Wage-earning children. 4. Eaton, I. Receipts and expenditures of cloakmakers in Chicago. 5. Zeublin, C. The Chicago Ghetto. 6. Zeman, J. H. The Bohemian people in Chicago. 7. Mastro-Valerio, A. Remarks upon the Italian colony in Chicago. 8. Lathrop, J. C. The Cook County charities. 9. Starr, E. G. Art and labor. 10. Addams, J. The settlement as a factor in the labor movement. Appendix. Hull-House: a social settlement.

South End House, *Boston.* **309.744 P800**

17658 The city wilderness. A settlement study by residents and associates of the South End House. Edited by Robert A. Woods, Head of the House. South End, Boston. vii,[4],319 p. 6 maps, 1 table. D. Boston: Houghton, Mifflin & Co., 1898.

Contents: 1. Cole, W. I. Introductory. 2. Haynes, F. E. Historical. 3. Bushée, F. A. Population. 4. Underhill, E. D. Public health. 5. Woods, R. A. Work and wages. 6. The roots of political power. 7. Cole, W. I. Criminal tendencies. 8. Haynes, F. E. Amusements. 9. Cole, W. I. The church and the people. 10. Strongholds of education. 11. Woods, R. A. Social recovery. 12. —. The total drift.

Woods, Robert Archey, *ed.* **309.744 Q200**

50182 Americans in process; a settlement study by residents and associates of the South End House; edited by Robert A. Woods ... . North and West ends, Boston. Boston and New York, Houghton, Mifflin and Co., 1902.

ix, [4], 389, [1] p. maps, plan. 19½cm.

Contents. — Woods, R. A. Metes and bounds. — Rutan, E. Y. Before the invasion. — Bushée, F. A. The invading host. — Chandler, E. H. City and slum. — Woods, R. A. Livelihood. — Woods, R. A. Traffic in citizenship. — Cole, W. I. Law and order. — Beale, J. F. & Withington, A. Life's amenities. — Cole, W. I. Two ancient faiths. — Atherton, C. S. & Rutan, E. Y. The child of the stranger. — Cole, W. I. & Miles, R. E. Community of interest. — Woods, R. A. Assimilation: a two-edged sword.

Gilman, Nicholas Paine, 1849– **331.1 Q400** 331.1 Capital and labor

64673 Methods of industrial peace, by Nicholas Paine Gilman ... . Boston and New York, Houghton, Mifflin and Co.; London, Macmillan and Co., ltd., 1904.

x, 436, [2] p. 20cm.

Meakin, Budgett *i.e.* **James Edward Budgett,** 1866– **331.17 Q500**

64672 Model factories and villages: ideal conditions of labour and housing, by Budgett Meakin ... . With 209 illustrations, many of them from the author's camera. London, T. F. Unwin, 1905.

480 p. incl. front., illus., plates, plans. 21cm.

Contents. — Introduction. — pt. I. Conditions of labour. — pt. II. Industrial housing.

331.2 Wages

Nicholson, Joseph Shield. **338.4 P200**

10921 The effects of machinery on wages. New and revised edition. xi,143 p. D. [Social science series, vol. 54.] London: Swan Sonnenschein & Co., 1892.

Rogers, James Edwin Thorold. **331.2 O500**

64 Work and wages. Being a popular edition (abridged) of "Six centuries of work and wages." (Cobden Club edition.) [6],206 p. D. (Social science series, vol 1.) London: Swan Sonnenschein & Co., [1890].

Schloss, David Frederick. **331.2 P801**

14653 Methods of industrial remuneration. Third edition, revised and enlarged. xix,446 p. D. London: Williams and Norgate, 1898.

331.25 Industrial insurance

Willoughby, William Franklin. **331.25 P800**

19093 Workingmen's insurance. xii,386 p. D. [Library of economics and politics.] New York: T. Y. Crowell & Co., c. 1898.

"Bibliographical note," p. 379–386.

331.4 Labor of women

Cadbury, Edward. **331.4 Q600**

59174 Women's work and wages. A phase of life in an industrial city. By Edward Cadbury, M. Cécile Matheson and George Shann, ... Illustrated. Chicago, The University of Chicago Press, 1907.

368 p. incl. tables. front., 1 pl., 1 facsim. 20cm.

The "industrial city" is Birmingham, England.

Campbell, *Mrs.* **Helen (Stuart),** 1839– **331.4 P300**

50232 Women wage-earners: their past, their present and their future. By Helen Campbell ... With an introduction by Richard T. Ely. Boston, Roberts Brothers, 1893.

xii, [7]–313 p. 19cm.

"Authorities," p. [291]–293.

Bibliography of woman's labor and of the woman question, p. [294]–303.

331.8 LABORING CLASSES

Booth, Charles, 1840– **331.8 Q300**

50276 Life and labour of the people in London, by Charles Booth, assisted by Jesse Argyle, Ernest Aves, Geo. E. Arkell, Arthur L. Baxter, George H. Duckworth. Final volume. Notes on social influences and conclusion. London, New York, Macmillan and Co., ltd., 1903.

[6], 451 p. 2 charts (1 fold.), fold. map in pocket. 22cm.

Folded map (63 x 92cm.) of inner and east London, showing places of worship, schools and licensed houses, 1899–1900.

Contents. — Some comparisons. — Habits of the people. — Notes on administration. — Conclusion. — Appendix tables and notes. — Abstract of the complete work (17 vols.) — Index to final volume.

Drage, Geoffrey. 331.8 P400 331.8 Laboring classes

4165 The unemployed. xiv,277 p. 6 tables. D. London: Macmillan & Co., 1894.

Gladden, Washington. 304 G45

12503 Social facts and forces. The factory — the labor union — the corporation — the railway — the city — the church. iv,[2],235 p. D. New York: G. P. Putnam's Sons, 1897.

Hobson, John Atkinson. 331.8 P600

5924 The problem of the unemployed. An enquiry and an economic policy. xvi,162 p. D. [Social questions of to-day.] London: Methuen & Co., 1896.

Rowntree, B Seebohm. 331.8 Q101

64656 Poverty; a study of town life, by B. Seebohm Rowntree. London, New York, Macmillan and Co., 1901.

xviii, 437 p. illus., 2 fold. maps (incl. front.), 3 fold. plans, 3 col. diagr. 23cm.

Salmon, Lucy Maynard. 331.8 Q100

28722 Domestic service. Second edition, with an additional chapter on domestic service in Europe. xxvii,338 p. O. New York: Macmillan Co., 1901.

"Bibliography. Full titles of works referred to in the text," p. 317–322.

Robertson, John Mackinnon. 331.81 P300 331.81 Eight hours question

5006 The eight hours question. vi,[2],150 p. D. London: Swan Sonnenschein & Co., 1893.

U. S. A. *Department of Commerce and Labor.* 331.823 Q800 331.823 Employers' liability

65322 *Bureau of Labor.*

. . . . Laws regulating liability of employers for injuries to employees . . . . Compilation of the laws of the states, territories, and United States . . . . Prepared by the United States Bureau of Labor . . . . [Washington, Gov't Print. Off., 1908.]

61 p. 23cm. (60th Congress, 1st session. Senate. Doc. 207.)
Presented by Mr. Burkett.
Ordered printed Jan. 28, 1908.

More, *Mrs.* **Louise Bolard.** 331.831 Q700 3321.831 Budgets

64664 . . . . Wage-earners' budgets; a study of standards and cost of living in New York city, by Louise Bolard More, with a preface by Franklin H. Giddings ... New York, H. Holt and Co., 1907.

x, [2], 280 p. incl. tables. 22cm. (Greenwich house series of social studies — no. 1.)

De Forest, Robert Weeks, 1848– , *ed.* 331.835 Q301 331.835 Housing

66378 The tenement house problem, including the report of the New York State Tenement House Commission of 1900, by various writers, edited by Robert W. De Forest and Lawrence Veiller ... New York, London, The Macmillan Company, 1903.

2 vol. fronts., plates, port., maps (1 fold.), plans, fold. tables, fold. chart. 23½cm.
"List of books important to a proper understanding of the tenement-house problem in the city of New York," vol. 1, p. 117–118.

331.88 Trade unions

Howell, George. 331.88 P001

809 The conflicts of capital and labour historically and economically considered. Being a history and review of the trade unions of Great Britain, ... Second and revised edition, ... xxxvi, 536 p. D. London: Macmillan & Co., 1890.

Webb, Sidney, 1859– 331.88 Q200

50223 The history of trade unionism: by Sidney and Beatrice Webb. New edition. London, New York and Bombay, Longmans, Green and Co., 1902.

xxxiv, 558 p. fold. map. 22cm.

"Bibliography. Prepared by Robert Alec. Peddie," p. [498]–543.

Webb, Sidney, & Webb, Beatrice. 331.88 Q201

34655 Industrial democracy. New edition in two volumes bound in one. lxi,929 p. 1 table. O. London: Longmans, Green & Co., 1902.

Contents: 1. Trade union structure. 2. Trade union function. 3. Trade union theory.

"Supplement to the Bibliography of trade unions" [by R. A. Peddie in The history of trade unionism by the same authors], p. 878–900.

332 MONEY AND BANKING

Bolles, Albert Sidney, 1846– 332.007 Q701

64665 A treatise on the modern law of banking, by Albert S. Bolles . . . . Philadelphia, The G. T. Bisel Company, 1907.

2 vol. 24cm.

Paged continuously; vol. 1: lxxix, 508 p.; vol. 2: [2], 509–1124 p.

"The National bank act and amendments," vol. 1, p. xi–lxxix.

Conant, Charles Arthur, 1861– 332.02 Q502

64674 The principles of money and banking, by Charles A. Conant . . . . New York and London, Harper & Brothers, 1905.

2 vol. 21cm.

Partly reprinted from various periodicals.

"List of authorities," vol. 2, p. 441–[460].

Hull, Walter Henry, *ed.* 332.08 4

64669 Practical problems in banking and currency; being a number of selected addresses delivered in recent years by prominent bankers, financiers and economists; edited by Walter Henry Hull, with an introduction by the Honorable Charles Francis Phillips . . . . New York, London, The Macmillan Company, 1907.

xxvi, 596 p. 23½cm.

Jevons, William Stanley. 332.02 N500

7281 Money and the mechanism of exchange. xviii,349 p. il. D. (International scientific series, vol. 17.) New York: D. Appleton & Co., 1896, pref. 1875.

Monetary Convention. *2d, Indianapolis*, 1898. 332.0973 P800 332 Money and banking

61928 Report of the Monetary Commission of the Indianapolis convention of boards of trade, chambers of commerce, commercial clubs, and other similar bodies of the United States. [Chicago], The University of Chicago Press, 1898.

xv, 608 p. incl. tables. XIII diagr. (partly fold.) 24cm.

Nicholson, Joseph Shield. 332.02 P700

10933 A treatise on money and Essays on monetary problems. Fourth edition. xviii,448 p. D. London: A. & C. Black, 1897.

Smith, Howard Irving. 332.03 Q200

41941 Smith's Financial dictionary, by Howard Irving Smith. New York, 1903, [c1902].

543 p. 22cm.

Walker, Francis Amasa. 332.02 N700

981 Money. xv,[2],550 p. O. New York: H. Holt & Co., 1878.

Bagehot, Walter. 332.0942 N300 332.09 History of money and banking

3015 Lombard Street: a description of the money market. viii,359 p. D. New York: Scribner, Armstrong & Co., 1874.

Burton, Theodore Elijah, 1851– 380.9 Q200

65012 Financial crises and periods of industrial and commercial depression, by Theodore E. Burton . . . . New York, D. Appleton and Co., 1902.

ix, 392 p. illus., 1 fold. diagr. 19cm.
"Bibliography" by Hugh Williams, p. 347–377.

Dewey, Davis Rich, 1858– 336.73 Q203

64663 . . . . Financial history of the United States, by Davis Rich Dewey . . . . New York, London, [etc.], Longmans, Green, and Co., 1903.

xxxv, [2], 530 p. charts. 20½cm. (American citizen series.)
"Suggestions for students, teachers, and readers," p. [ix]–xxviii.
"References" at beginning of chapters.

History. L332.09 P600

3025 A history of banking in all the leading nations; . . . . Edited by the editor of The Journal of commerce and commercial bulletin. 4 vol. il. table. Q. New York: Journal of commerce and commercial bulletin, 1896.

Contents: Vol. 1. Sumner, W. G. Banking in the United States. Vol. 2. MacLeod, H. D. Banking in Great Britain. Horn, A. E. Banking in the Russian Empire. Townsend, J. P. Savings-banks in the United States. Vol. 3. Des Essars, P. Banking in the Latin nations. Raffalovich, A. Banks of Alsace-Lorraine after the annexation. Walker, B. E. Banking in Canada. Vol. 4. Wirth, M. Banking in Germany and Austria-Hungary. Borght, R. van der. Banking in the Netherlands. Jensen, A. Banking in the Scandinavian nations. Soyeda, J. Banking in Japan. Jernigan, T. R. Banking in China.

332.09 History of money and banking

White, Horace, 1834– 332.0973 Q200

50229 Money and banking illustrated by American history. Second edition, revised and continued to the year 1902. By Horace White. Boston, Ginn & Co., 1902.

xiv, 474 p. 20cm.

"Bibliography," p. 461–467.

332.09 Directory of banks and bankers

Bankers encyclopedia. L332.097 6

28713 The Bankers' encyclopedia. A new and original compilation of the banks, bankers, savings banks and loan and trust companies in the United States and Canada. . . . . Continued from vol. 13. 1901. il. maps. Q. Chicago c. 1901–.

Edited by Charles R. Williams.

Rand-McNally Bankers' directory. 332.097 1

1397 The Rand-McNally Bankers' directory and list of attorneys "blue book". . . . . Chicago, Rand, McNally & Co., c1876–.

July 1876–July 1882, Jan. 1886, Jan. 1889, Jan. 1893; continued from July 1900. illus., plates, ports., facsims. 23½cm.–28cm.

1876–1881 title reads: Bankers' directory of the United States and Canada, . . . ; 1882/93: Bankers' directory and list of bank attorneys; . . . .

Issued semi-annually.

332.1 Banking

Conant, Charles Arthur. 332.1 P602

19091 A history of modern banks of issue. With an account of the economic crises of the present century. Third edition. xv, 595 p. O. New York: G. P. Putnam's Sons, 1897.

Dunbar, Charles Franklin, 1830–1900. 332.1 Q107

83789 Chapters on the theory and history of banking. By Charles F. Dunbar, ... Second edition, enlarged. Edited by O. M. W. Sprague, ... New York and London, G. P. Putnam's Sons, 1907.

viii, [2], 252 p. 19½cm.

Contents.—1. Introductory.—2. Discount, deposit, and issue.—3. Banking operations and accounts.—4. The check system.—5. Bank notes.—6. Redemption.—7. Combined reserves.—8. The Bank of Amsterdam.—9. The Bank of France.—10. The national banks of the United States.—11. The Bank of England.—12. The Reichsbank of Germany. Index.

Howarth, William. 332.1 O400

2704 Our clearing system and clearing houses. 200 p. il. D. London: E. Wilson, 1884.

332.42 Bimetallism

Darwin, Leonard. 332.42 P704

19569 Bimetallism. A summary and examination of the arguments for and against a bimetallic system of currency. viii,341 p. 1 il. D. London: J. Murray, 1897.

Laughlin, James Laurence. 332.42 P701 332.42 Bimetallism

9000 The history of bimetallism in the United States. Fourth edition, with new appendices: a study on the fall of silver since 1885, and the experience of the United States with silver to 1893. xviii, 353 p. 20 tables. O. New York: D. Appleton & Co., 1897.

Walker, Francis Amasa. 332.42 P607

10900 International bimetallism. v,297 p. D. New York: H. Holt & Co., 1896.

Russell, Henry Benajah. 332.44 P800 332.44 International conferences

16368 International monetary conferences. Their purposes, character, and results with a study of the conditions of currency and finance in Europe and America during intervening periods, and in their relations to international action. x,477 p. O. New York: Harper & Brothers. 1898.

Clarke, Frank Wigglesworth, 1847– , *comp.* 389 N500 332.45 Foreign exchange

61973 Weights, measures, and money, of all nations. Compiled by W. F. Clarke . . . . New York D. Appleton & Co., 1900. 117 p. 19cm.

Goschen, George Joachim. 332.45 M400

8626 The theory of the foreign exchanges. Ninth thousand. xv,152 p. O. London: E. Wilson, 1896.

Norman, John Henry. 332.45 P701

17981 Norman's universal cambist. A ready reckoner of the world's foreign and colonial exchanges of seven monetary and currency intermediaries. . . . , Being the second edition of the author's Ready reckoner of the exchanges of gold and silver issued in 1893. xxix,269 p. 3 tables. O. London: E. Wilson, 1897.

Ridgeway, William. 389 P200 332.49 Coinage

7545 The origin of metallic currency and weight standards. xii,417 p. 60 il. O. Cambridge: University Press, 1892.

Chicago securities. 332.6 4 332.6 Stocks and Bonds

12823 Chicago securities. . . . . A digest of information relating to stocks, bonds, banks and financial institutions of Chicago. Continued from [no. 1]. 1891. O. Chicago [1891–].

Cromwell, John Howard. 658 P900

23424 The American business woman. A guide for the investment, preservation, and accumulation of property; containing full explanations and illustrations of all necessary methods of business. xii,[2],428 p. O. New York: G. P. Putnam's Sons, 1900.

McLean & Co., J. L., *New York.* 332.051 8

35831 American manual of values (annual). Continued from 1902. il. p. of pl. pl. maps. sq.O. New York c. 1902–.

332.6 Stocks and Bonds

Manual. 332.6 1

5913 The Manual of statistics. Stock exchange hand-book. Railroads, industrial securities. Grain and provisions; cotton; mining; petroleum; banks and trust companies; street railways, ... Continued from vol. 9. [1886]. maps. O. New York, c. 1887–.

Vol. 22– edited by Henry E. Wallace.

Vol. 9 subtitle reads: Railroads, grain and produce, cotton, petroleum, mining dividends and production; other slight variations in subtitle.

Vol. 10, 13–15, 17 missing.

Moody's Manual. 332.051 7

27574 Moody's Manual of railroads and corporation securities. .... New York, c1900–.

Continued from vol. 1, 1900. 23½cm.

Vol. 1 title reads: Moody's Manual of industrial and miscellaneous securities; vol. 2–5, Moody's Manual of corporation securities.

Edited by John Moody.

Rollins, Montgomery. 332.6 Q702

64667 Money and investments; a reference book for the use of those desiring information in the handling of money or the investment thereof, by Montgomery Rollins .... Boston, D. Estes & Co.; [etc., etc., c1907].

[6], v–xxxvi, 436 p. 23cm.

"Authorities consulted in the preparation of this work," p. xxxiii–xxxvi.

Snyder, Carl. 385.973 Q702

65013 American railways as investments; a detailed and comparative analysis of all the leading railways, from the investor's point of view; with an introductory chapter on the methods of estimating railway values, by Carl Snyder. New York, The Moody Corporation; [etc., etc.], 1907.

762 p. incl. tables. 1 fold. map. 24cm.

333 LAND

Maine, *Sir* Henry Sumner. 309.1 N400

10816 Lectures on the early history of institutions. Seventh edition. viii,[2],412 p. O. London: J. Murray, 1897.

Maine, *Sir* Henry Sumner. 321.2 N600

10995 Village-communities in the East and West. Six lectures delivered at Oxford. Seventh edition. xii,413 p. O. London: J. Murray, 1895.

Contains also the following lectures: The effects of observation of India on modern European thought. Address to the University of Calcutta. The theory of evidence. Roman law and legal education.

Nicholson, Joseph Shield, 1850– 333.042 Q600

64676 The relations of rents, wages and profits in agriculture, and their bearing on rural depopulation; by J S. Nicholson .... London, S. Sonnenschein & Co., ltd.; New York, C. Scribner's Sons, 1906.

viii, 176 p. 19½cm. [Social science series.]

Polk & Co., R. L., *Detroit.* 333.07 I 333 Land

42414 Polk's Real estate and financial register of the United States and Canada. Comprising lists of real estate agents— ... brokers— abstracters of title— ... surveyors—appraisers ... —agents for mineral, timber and pine lands—land companies— ... — commissioners of deeds— ... lawyers— ... —promoters— ... county clerks and county treasurers— ... also a digest of the statutes affecting real estate—U. S. public lands—population of incorporated cities, towns and villages—a descriptive sketch and map of each state and territory—etc., ... Chicago, Baltimore, [etc.], R. L. Polk & Co., c1904–c1907.

Vol. 2–3, 1904–1908. maps. 24cm.

Cox, Harold. 333.1 P200 333 Land nationalization

4162 Land nationalization. [6],189 p. D. [Social questions of to-day, no. 8.] London: Methuen & Co., 1892.

George, Henry. 335.75 N900

3345 Progress and poverty: an inquiry into the cause of industrial depressions, and of increase of want with increase of wealth. The remedy. xi,[2],viii,512 p. O. New York: D. Appleton & Co., 1882.

Fernow, Bernhard Edward, 1851– 333.7 Q200 333.7 Economics of forestry

50183 Economics of forestry; a reference book for students of political economy and professional and lay students of forestry, by Bernhard E. Fernow .... New York, T. Y. Crowell & Co., [1902].

[2], xii, 520 p. 19½cm. [Library of economics and politics.]

"Bibliography," p. 491–507.

334 COOPERATION

Brabrook, Edward William. 334 4

19275 Provident societies and industrial welfare. 224 p. D. [Victorian era series.] London: Blackie & Son, 1898.

Co-operative Wholesale Societies. 334.052 I

5668 The Co-operative Wholesale Societies, limited, England and Scotland, annual. ... . Continued from 1897. il. pl. por. maps. O. Manchester, pref. 1896–.

Gilman, Nicholas Paine. 331.04 G42

21776 A dividend to labor. A study of employers' welfare institutions. viii,400 p. O. Boston: Houghton, Mifflin & Co., 1899.

Contents: Part 1. The modern employer: 1. An essential matter. 2. A realizable ideal. 3. Robert Owen the manufacturer. Part 2. An indirect dividend to labor: 4. Welfare-institutions in Germany. 5. Patronal institutions in France. 6. Patronage in Holland and Belgium. 7. British employers' institutions. 8. American liberality to workmen. Part 3. A direct dividend to labor: 9. Five cases of profit sharing. 10. Profit sharing to-day. 11. The reasonable way.

"Bibliography," p. 389–392.

334 Cooperation

Gilman, Nicholas Paine. 334.65 I

811 Profit sharing between employer and employee. A study in the evolution of the wages system. x,460 p. O. Boston: Houghton, Mifflin & Co., 1889.

"Bibliography", p. 446-448.

Holyoake, George Jacob, 1817–1906. 334.942 I2

64654 The history of co-operation; by George Jacob Holyoake . . . . Revised and completed . . . . Volume 1–[11]. Second impression. London, T. F. Unwin, 1906.

2 vol. 3 pl., 5 ports. (incl. fronts.) 22½cm.

Paged continuously; vol. 1: xviii, 335, [1] p.; vol. 2: x, 337–691 p.

Hughes, Thomas, & Neale, Edward Vansittart, *editors.* 334 2

7948 A manual for co-operators. Prepared at the request of the Co-operative Congress, held at Gloucester, in April, 1879; and revised 1888. Published for the Central Co-operative Board, . . . , Manchester. xvi,265 p. O. London: Macmillan & Co., 1888.

Schloss, David Frederick. 331.2 P801

14653 Methods of industrial remuneration. Third edition, revised and enlarged. xix,446 p. D. London: Williams and Norgate, 1898.

335 SOCIALISM

Ely, Richard Theodore. 335.02 P400

9831 Socialism. An examination of its nature, its strength and its weakness, with suggestions for social reform. Sixth edition. xiii,449 p. 1 table. D. [Library of economics and politics, no. 3.] New York: T. Y. Crowell & Co., c. 1894.

"Bibliography", p. 399-442.

Flint, Robert. 335.02 P500

10198 Socialism. 512 p. O. London: Isbister & Co., 1895.

Mallock, William Hurrell. 335.01 O200

3137 Social equality: a short study in a missing science. 212 p. D. New York: G. P. Putnam's Sons, 1882.

Morris, William. 335.04 M83

10564 Signs of change. Seven lectures delivered on various occasions. New edition. viii,[2],202 p. D. London: Longmans, Green, & Co., 1896.

Contents: How we live and how we might live. Whigs, democrats, and socialists. Feudal England. The hopes of civilisation. The aims of art. Useful work versus useless toil. Dawn of a new epoch.

Spargo, John. 335.02 Q601

61931 Socialism; a summary and interpretation of socialist principles, by John Spargo . . . . New York, London, The Macmillan Company, 1906.

xvi, [2], 257 p. 19½cm.

Hillquit, Morris, 1869– 335.0973 Q301 335.09 History of socialism

64675 History of socialism in the United States, by Morris Hillquit. New York and London, Funk & Wagnalls Company, 1903.
371 p. 21cm.

Kirkup, Thomas. 335.09 Q001

25010 A history of socialism. New edition, revised and enlarged. vi, [2],364 p. D. London: A. & C. Black, 1900.

Rae, John. 335.09 Q100

28948 Contemporary socialism. [Third edition]. xii,556 p. O. London: Swan Sonnenschein & Co., 1901.
"This edition is a reprint of the second, with the addition of a new chapter, telling the history of the Socialist movement since that second edition was published." *Preface.*

Sombart, Werner. 335.09 P800

16287 Socialism and the social movement in the 19th century. With a chronicle of the social movement 1750–1896. Translated by Anson P. Atterbury, with an introduction by John B. Clark. xvii,199 p. D. New York: G. P. Putnam's Sons, 1898.

Woods, Robert Archey. 309.42 P100

11579 English social movements. Third edition. vii,[2],277 p. D. New York: C. Scribner's Sons, 1897, c. 1891.
Contents: 1. The labor movement. 2. Socialism. 3. The university settlements. 4. University extension. 5. The social work of the church. 6. Charity and philanthropy. 7. Moral and educational progress.

Hinds, William Alfred, 1833– 335.29 Q800 335.29 Communistic societies

64549 American communities and co-operative colonies, by William Alfred Hinds, ... Second revision .... Chicago, C. H. Kerr & Co., 1908.
608 p. 19 pl., 14 ports. 20cm.
Bibliographical notes at end of some of the chapters.

Nordhoff, Charles. 335.29 N400

2813 The communistic societies of the United States; from personal visit and observation: .... 439 p. il. 15 pl. 1 por. 1 map. O. New York: Harper & Brothers, 1875.
Contains a bibliography of communistic societies in the United States.

Gronlund, Laurence. 335.3 P001 335.3 Collectivism

2105 The co-operative commonwealth. An exposition of socialism. Revised and enlarged edition. ix,304 p. il. D. Boston: Lee & Shepard, 1893.

Marx, Karl, 1818–1883. 335.3 O300

594 Capital: a critical analysis of capitalist production, by Karl Marx. Translated from the third German edition, by Samuel Moore and Edward Aveling, and edited by Frederick Engels. New York, Appleton & Co.; London, Swan Sonnenschein & Co., 1889.
xxxi, 816 p. 22cm.

335.6 Anarchism

Zenker, Ernst Victor. 335.6 P700

12011 Anarchism. A criticism and history of the anarchist theory. xiii,323 p. D. New York: G. P. Putnam's Sons, 1897.

335.93 Catholic socialism

Nitti, Francesco Saverio. 335.93 P200

4478 Catholic socialism. Translated from the second Italian edition by Mary Mackintosh, with an introduction by David G. Ritchie. xx, 432 p. O. London: Swan Sonnenschein & Co., 1895.

336 FINANCE

Adams, Henry Carter. 336.02 P800

18448 The science of finance. An investigation of public expenditures and public revenues. xiii,573 p. O. (American science series –advanced course.) New York: H. Holt & Co., 1898.

Bastable, Charles Francis, 1855– 336.02 Q300

50205 Public finance, by C. F. Bastable .... Third edition, revised and enlarged. London, New York, Macmillan and Co., ltd., 1903.

xxiv, 780 p. 23cm.

First edition, 1892, second edition, 1895.

Bullock, Charles Jesse, 1869– , *ed.* 336.08 1

61919 Selected readings in public finance, by Charles J. Bullock .... Boston, New York, [etc.], Ginn & Co., [c1906].

[4], iii–viii, 671 p. fold. diagr. 21½cm. (*Half-title:* Selections and documents in economics, ed. by William Z. Ripley.)

336.2 Taxation

Ely, Richard Theodore. 336.2 O800

9694 Taxation in American states and cities. By Richard T. Ely. Assisted by John H. Finley. .... xx,544 p. 2 tables. D. New York: T. Y. Crowell & Co., c. 1888.

National Conference on State and Local Taxation. 336.2 Q800

64666 *1st, Columbus, O.*, 1907.

State and local taxation; first National Conference under the auspices of the National Tax Association, Columbus, Ohio, November 12–15, 1907. Addresses and proceedings. New York, The Macmillan Company, 1908.

[6, ix]–xx, 675 p. 22½cm.

Seligman, Edwin Robert Anderson. 336.2 P500

15759 Essays in taxation. Second edition. x,434 p. O. New York: Macmillan Co., 1897.

"Bibliography of American reports on taxation," p. 422–424.

Spahr, Charles Barzillai. 330.9 P601 336.2 Taxation

9613 An essay on the present distribution of wealth in the United States. Second edition. viii,184 p. D. [Library of economics and politics, vol. 12.] New York: T. Y. Crowell & Co., c. 1896.

Adams, Henry Carter. 336.3 O700 336.3 Public debts

6181 Public debts. An essay in the science of finance. xi,407 p. O. New York: D. Appleton & Co., 1895, c. 1887.

Dewey, Davis Rich, 1858– 336.73 Q203 336.73 American finance

64663 . . . . Financial history of the United States, by Davis Rich Dewey . . . . New York, London, [etc.], Longmans, Green, and Co., 1903.

xxxv, [2], 530 p. charts. 20½cm. (American citizen series.)
"Suggestions for students, teachers, and readers," p. [ix]–xxviii.
"References" at beginning of chapters.

Noyes, Alexander Dana. 336.73 P800

12530 Thirty years of American finance. A short financial history of the government and people of the United States since the Civil War, 1865–1896. xv,277 p. O. New York: G. P. Putnam's Sons, 1898.

Rabbeno, Ugo. 336.73 P403

17136 The American commercial policy. Three historical essays. Second edition, partly re-written and entirely revised by the author. Translated at the Translations Bureau. xxiv,414 p. O. London: Macmillan & Co., 1895.

337 PROTECTION AND FREE TRADE

Bastable, Charles Francis, 1855– 382 P200

10314 The commerce of nations, by C. F. Bastable, ... London, Methuen & Co., 1892.

viii, 216 p. 18cm. (*Half-title:* Social questions of to-day. [Vol. 5.])

Downing & Co., R. F., *New York.* 336.73 Q600

54178 Customs tariff act of 1897, revised to January 1, 1906. With alphabetical schedule, Customs administrative act of 1890, as amended by act of July 24, 1897, French, Portuguese, German, Italian, Cuban and Swiss reciprocity treaties, sealing act of Dec. 29, 1897 (customs provisions,) Pure food act of March 3, 1903, list of parcels-post countries. New York, R. F. Downing & Co., [c1906].

xx, 661 p. 17½cm.

Kelly's Customs tariffs. L337 1

42743 Kelly's Customs tariffs of the world. London, Kelly's Directories, ltd., [pref. 1904–1907].

1904, 1907. 2 vol. 27cm.

337 Protection and free trade

Stanwood, Edward, 1841– 337·3 Q300

64658 American tariff controversies in the nineteenth century, by Edward Stanwood .... Boston and New York, Houghton, Mifflin and Co., 1903.

2 vol. 21½cm.

Taussig, Frank William. 336.73 P801

17939 The tariff history of the United States. A series of essays. Fourth edition, revised, with additional matter. xi,[2],422 p. D. [Questions of the day, no. 47.] New York: G. P. Putnam's Sons, 1898, c. 1892.

337.9 Reciprocity

Laughlin, James Laurence, 1850– 337·9 Q300

64660 Reciprocity, by J. Laurence Laughlin ... and H. Parker Willis .... New York, The Baker & Taylor Co., [1903].

xi, 583 p. charts. 21½cm.

"Bibliography," p. 439–471.

338 PRODUCTION AND MANUFACTURE

Bücher, Karl. 330.9 Q005

30007 Industrial evolution. By Carl Bücher. Translated from the third German edition by S. Morley Wickett. xi,[2],393 p. O. New York: H. Holt & Co., 1901.

Contents: 1. Primitive economic conditions. 2. The economic life of primitive peoples. 3. The rise of national economy. 4. A historical survey of industrial systems. 5. The decline of the handicrafts. 6. The genesis of journalism. 7. Union of labour and labour in common. 8. Division of labour. 9. Organization of work and the formation of social classes. 10. Internal migrations of population and the growth of towns considered historically.

Dyer, Henry. 338 P500

4163 The evolution of industry. xv,307 p. D. New York: Macmillan & Co., 1895.

Mulhall, Michael George. 338 P600

6980 Industries and wealth of nations. xii,451 p. 32 tables. D. Longmans, Green, & Co., 1896.

Shadwell, Arthur, 1854?– 338 Q601

64655 Industrial efficiency; a comparative study of industrial life in England, Germany and America, by Arthur Shadwell .... In two volumes. London, New York and Bombay, Longmans, Green, and Co., 1906.

2 vol. 23½cm.

Contents. — vol. 1. General comparisons and national qualities. Industrial districts in England. Industrial districts in Germany. Industrial districts in America. xiii, 346, [2] p. — vol. 2. Factory laws. Factory conditions. Hours. Wages. Workmen's compensation and insurance. Benevolent institutions. Housing. Cost of living and physical conditions. Social conditions. Trade unions and industrial disputes. Pauperism and thrift. Elementary education. Technical education. Conclusion. Index. x, 488 p.

Mineral industry. 622.051 I 338.2 Mining products

1710 The Mineral industry, its statistics, technology and trade, in the United States and other countries, ... Founded by the late Richard P. Rothwell. .... Continued from vol. 1. 1892. il. pl. pl. of por. O. New York 1893–.

Vol. 1–8 edited by Richard P. Rothwell; vol. 9, by Richard P. Rothwell and Joseph Struthers; vol. 10–, by Joseph Struthers.

Vol. 1–5 published as Statistical supplement to Engineering and mining journal.

Mining manual. 622.052 2

9278 The Mining manual .... A record of information concerning mining companies, arranged in four sections: Australasian, South African, West African & Miscellaneous .... Continued from vol. [11]. 1897. O. London 1897–.

Edited by Walter R. Skinner.

Vol. [11–14] have subtitle: Separate sections are devoted to Australasian mining companies and South African mining companies; vol. 15 adds west African mining companies.

Vol. [11–14] called vol. 9–12.

U. S. A. *Department of Commerce aud Labor.* L622.0973 Q200

63584 *Bureau of the Census.*

... Mines and quarries 1902. Prepared under the supervision of William M. Steuart, chief statistician for manufactures .... Washington, Gov't Print. Off., 1905.

xxix, 1123 p. plates, diagrs. 30cm.

At head of title: Department of Commerce and Labor. Bureau of the Census, S. N. D. North, director. Special reports.

Electricity in mining, by Thomas Commerford Martin, p. 145–161.

Reports on separate minerals: Iron ore, Manganese ore, by John Birkinbine.—Lead and zinc ore, Copper ore, Gold and silver, by Isaac A. Hourwich.—Precious metals recovered by cyanide processes, by Charles E. Munroe.—Quicksilver, Borax, Phosphate rock, Sulphur and pyrite, Mineral pigments (crude), Asphaltum and bituminous rock, Bauxite, Graphite, Magnesite, by Joseph Struthers.—Platinum, by David T. Day.—Coal, by Edward W. Parker.—Petroleum, Natural gas, by F. H. Oliphant.—Stone, by George P. Merrill.—Cement, Gypsum, Flint and feldspar, Fuller's earth, Marl, by Story B. Ladd.—Clay, by Jefferson Middleton.—Abrasive materials, Fluorspar, Barytes, Steel hardening metals, Asbestos, Lithium ore, Mica, Monazite, Talc and soapstone, by Joseph Hyde Pratt.—Precious stones, by George F. Kunz.—Mineral resources of Porto Rico, by William F. Willoughby.

U. S. A. *Department of the Interior. Geological Survey.* 622.0973 2

9095 .... Mineral resources of the United States. .... Washington, Gov't Print. Off., 1883–.

Continued from [vol. 1], 1882. illus., plates, maps, tables. 23cm.

At head of title: Department of the Interior. United States Geological Survey. ....

1894–1899 published as part of the Annual report of the United States Geological Survey, no. 16–21, 1894–1900, which has shelf number **L557.3 2**

Nicolls, William Jasper. 553.23 P700

12205 The story of American coals. 405 p. 1 pl. O. Philadelphia: J. B. Lippincott Co., 1897.

338 2 Mining products

Thorpe, [Thomas Edward], *editor*. 553.2 N800

12125 Coal: its history and uses. By Professors Green, Miall, Thorpe, Rücker, and Marshall. xii,363 p. il. O. London: Macmillan & Co., 1878.

Contents: 1–2. The geology of coal. 3. Coal plants. 4. Animals of the coal measures. 5–6. The chemistry of coal. 7. Coal as a source of warmth. 8. Coal as a source of power. 9–10. The coal question.

Copper handbook. 622.09 1

28960 The Copper handbook. A manual of the copper industry of the world. . . . . Houghton, Michigan, 1900–.

Continued from [vol. 1], 1900. 23cm.

[Vol. 1], subtitle reads: Giving fifty statistical tables, . . . , and much other information of value; it is "devoted mainly to Lake Superior copper mines"; vol. 2, A manual of the copper industry of the United States and foreign countries.

Edited by Horace J. Stevens.

Weed, Walter Harvey, 1862– 622.3419 Q700

63547 The copper mines of the world, by Walter Harvey Weed . . . . New York and London, Hill Publishing Company, 1907.

xiv, 375 p. illus., diagrs., maps (1 fold.) 24cm.

Contains references.

Tarbell, Ida Minerva, 1857– 338.267 Q400

61981 The history of the Standard Oil Company, by Ida M. Tarbell . . . . New York, McClure, Phillips & Co., 1904.

2 vol. fronts., illus., plates, ports., diagrs. 23cm.

338.4 Machinery in industry

Hobson, John Atkinson. 338.4 P401

10327 The evolution of modern capitalism. A study of machine production. xiv,[2],388 p. il. D. [Contemporary science series, vol. 25.] London: W. Scott, 1894.

Nicholson, Joseph Shield. 338.4 P200

10921 The effects of machinery on wages. New and revised edition. xi,143 p. D. [Social science series, vol. 54.] London: Swan Sonnenschein & Co., 1892.

Taylor, R. Whately Cooke. 338.4 P100

267 The modern factory system. vii,476 p. O. London: Kegan Paul, . . . & Co., 1891.

338.7 Corporations

Frost, Thomas Gold. 338.7 Q800

65002 A treatise on the incorporation and organization of corporations created under the "business corporation acts" of the several states and territories of the United States, including therein a synopsis-digest of the general incorporation acts of the several commonwealths, with decisions bearing thereon; also, forms for drawing charters under the laws of the several states and territories; amendments to charters and dissolution of corporations; general and specific object clauses for insertion in charters, by-laws, minutes, etc., etc., by Thomas Gold Frost . . . . Third edition, enlarged and revised to January 1, 1908. Boston, Little, Brown, and Co., 1908.

xv, 908, [2] p. 24½cm.

Rahill, John Joseph. 338.7 Q504 338.7 Corporations

61918 . . . . Corporation accounting and corporation law; a manual of corporate organization and management. Accounting in theory and practice. Banking, with special reference to the national banking system, and a treatise on stock exchanges, by J. J. Rahill . . . . An appendix on the California examinations for C. P. A. certificates, with a full set of questions and answers, by Alfred G. Platt . . . . [1906 edition. Revised and enlarged.] Fresno, Cal., The author, 1906.

443, [9] p. 23½cm.

Bemis, Edward Webster, *editor.* 352.5 P900 338.8 Monopolies

17716 Municipal monopolies. A collection of papers by American economists and specialists. ix,691 p. 3 tables. D. [Library of economics and politics.] New York: T. Crowell & Co., c. 1899.

Ely, Richard Theodore. 338.8 Q001

22716 Monopolies and trusts. xi,[2],278 p. D. (Citizen's library of economics, politics, and sociology, vol. 1.) New York: Macmillan Co., 1900.

"A small part of a large work, 'The distribution of wealth.'" *Preface.*

Halle, Ernst von. 338.8 P600

10304 Trusts, or industrial combinations and coalitions in the United States. xvi,350 p. 2 tables. D. New York: Macmillan & Co., 1896.

"Bibliography," p. 338–350.

Jenks, Jeremiah Whipple. 338.8 Q106

50262 The trust problem, by Jeremiah Whipple Jenks . . . . New and revised edition. New York, McClure, Phillips & Co., 1901.

xix, [2], 341 p. diagr. 18cm.

Meade, Edward Sherwood, 1874– 338.8 Q300

64659 Trust finance; a study of the genesis, organization, and management of industrial combinations, by Edward Sherwood Meade . . . . New York, D. Appleton and Co., 1903.

ix, 387, [2] p. 20cm. ([Appletons' business series.])

Moody, John, 1868– 338.8 Q401

61963 The truth about the trusts; a description and analysis of the American trust movement, by John Moody . . . . New York, Chicago, Moody Publishing Company, [1904].

xxii, 514 p. 11 charts (partly fold.) 25cm.

Appendix: List of books, articles, reviews and periodicals treating of the trust question which have been read, referred to or quoted in preparing this volume, p. 503–507.

339 PAUPERISM

Booth, William, *of the "Salvation Army."* **339.942 P001**

91 In darkest England, and the way out. [6],285,xxxi p. O. New York: Funk & Wagnalls, 1890.

Bosanquet, Bernard, *editor.* **304 B65**

223 Aspects of the social problem, by various writers. x,334 p. D. London: Macmillan & Co., 1895.

Contents: 1–2. Bosanquet, B. The duties of citizenship. 3. Dendy, H. The children of working London. 4. M'Callum, M. The protection of children. 5. Dendy, H. The position of women in industry. 6. Dendy, H. Marriage in East London. 7. Dendy, H. The industrial residuum. 8. Bosanquet, B. Character in its bearing on social causation. 9. Dendy, H. Old pensioners. 10. Loch, C. S. Pauperism and old-age pensions. 11. Dendy, H. The meaning and methods of true charity. 12. M'Callum, M. Some aspects of reform. 13. Dendy, H. Origin and history of the English poor law. 14. Loch, C. S. Some controverted points in the administration of poor relief. 15. Loch, C. S. Returns as an instrument in social science. 16. Bosanquet, B. Socialism and natural selection. 17. Bosanquet, B. The principle of private property. 18. Bosanquet, B. The reality of the general will.

Drage, Geoffrey. **339 P500**

4164 The problem of the aged poor. xvii,375 p. D. London: A. & C. Black, 1895.

Henderson, Charles Richmond, 1848– **361.9 Q400**

61980 Modern methods of charity; an account of the systems of relief, public and private, in the principal countries having modern methods, by Charles Richmond Henderson, assisted by others. New York, London, The Macmillan Company, 1904.

xiv, 715 p. 23½cm.

Bibliography, p. 689–702.

Hunter, Robert *i.e.* **Wiles Robert,** 1874– **339 Q400**

64661 Poverty, by Robert Hunter. New York, London, The Macmillan Company, 1904.

xi, 382 p. 20½cm.

"Authorities," p. 361–372.

Contents. — Poverty. — The pauper. — The vagrant. — The sick. — The child. — The immigrant. — Conclusion. — Appendices. — Authorities.

Rowntree, B Seebohm. **331.8 Q101**

64656 Poverty; a study of town life, by B. Seebohm Rowntree. London, New York, Macmillan and Co., 1901.

xviii, 437 p. illus., 2 fold. maps (incl. front.), 3 fold. plans, 3 col. diagr. 23cm.

Warner, Amos Griswold. **360.973 P400**

10659 American charities. A study in philanthropy and economics. Third thousand. viii,430 p. il. 1 map, 6 tables. D. [Library of economics and politics, vol. 4.] New York: T. Y. Crowell & Co., c. 1894.

340 LAW

American and English encyclopædia. L340 P601

9182 The American and English encyclopædia of law. Edited ... under the supervision of James Cockcroft. Second edition. Vol. 1–XXXII. Northport, Long Island, N. Y., E. Thompson Co.; London, C. D. Cazenove and Son, 1896–1905.

32 vol. 26½cm.

Vol. 1–29 edited by David S. Garland and Lucius P. McGehee; vol. 30–32, by D. S. Garland and Charles Porterfield.

Greene, Mary Anne, 1857– 340.2 Q200

64982 The woman's manual of law, by Mary A. Greene .... New York, Boston, [etc.], Silver, Burdett and Co., [1902–].

xvi, 284 p. 19½cm.

Holland, Thomas Erskine. 340.2 Q001

26998 The elements of jurisprudence. Ninth edition. xvi,430 p. O. New York: Oxford University Press, American Branch, 1900.

Contents: 1. Law and rights. 2. Private law. 3. Public law. 4. International law. 5. The application of law.

Stroud, Frederick, 1835– 340 Q300

65003 The judicial dictionary, of words and phrases judicially interpreted, to which has been added statutory definitions. By F. Stroud .... Second edition. Vol. 1–[III]. London, Sweet and Maxwell, ltd., [etc.]; Boston, The Boston Book Co., 1903.

3 vol. 25cm.

Paged continuously; vol. 1: ccxxvii, 592 p.; vol. 2: [4, 593]–1394 p.; vol. 3: [4, 1395]–2302 p.

Hall, William Edward, 1836–1894. 341.02 Q401 341 International law

65004 A treatise on international law, by William Edward Hall, ... Fifth edition. Edited by J. B. Atlay .... Oxford, Clarendon Press; [etc., etc.], 1904.

xxiv, 764 p. 23cm.

Hill, David Jayne, 1850– 341.7 Q500

64983 A history of diplomacy in the international development of Europe, by David Jayne Hill, ... New York, London, [etc.], Longmans, Green, and Co., 1905–.

Vol. 1–. fold. maps. 24cm.

Walker, Thomas Alfred. 341.02 P500

8158 A manual of public international law. xxviii,244 p. O. Cambridge: University Press, 1895.

Woolsey, Theodore Dwight. 341.02 P100

11330 Introduction to the study of international law. Designed as an aid in teaching and in historical studies. Sixth edition, revised and enlarged by Theodore Salisbury Woolsey. xix,527 p. O. New York: C. Scribner's Sons, 1897, c. 1891.

342 Constitutional law

Burgess, John William. 320.2 P001

3147 Political science and comparative constitutional law. 2 vol. O. (COLUMBIA COLLEGE. FACULTY OF POLITICAL SCIENCE. Systematic series.) Boston: Ginn & Co., 1891.

Fiske, John. 342 O001

9826 American political ideas viewed from the standpoint of universal history. Three lectures delivered at the Royal Institution of Great Britain in May 1880. 158 p. D. New York: Harper & Brothers, c. 1885.

Lowell, Abbott Lawrence, 1856– 320.94 P700

10110 Governments and parties in Continental Europe, by A. Lawrence Lowell. In two volumes. . . . . Boston and New York, Houghton, Mifflin & Co., 1897, [c1896].

2 vol. 22½cm.

Vol. 1: second edition; vol. 2: tenth impression.

342.42 Constitutional history of England

Anson, *Sir* William Reynell, *Bart.* 342.42 P200

9596 The law and custom of the constitution. . . . . Second edition. 2 vol. O. Oxford: Clarendon Press, 1892–1896.

Courtney, Leonard [Henry]. 342.42 Q100

28841 The working constitution of the United Kingdom and its outgrowths. viii,338 p. 1 pl. O. London: J. M. Dent & Co., 1901.

Langmead, Thomas Pitt Taswell-. 342.429 N900

15401 English constitutional history. From the Teutonic conquest to the present time. Fourth edition, revised throughout, with notes and appendices, by C. H. E. Carmichael. xli,883 p. O. London: Stevens & Haynes, 1890.

"List of authors and editions cited by the editor", p. xxxiii–xli.

Lowell, Abbott Lawrence, 1856– 320.942 Q800

63975 The government of England, by A. Lawrence Lowell . . . . New York, The Macmillan Company, 1908.

2 vol. 22½cm.

Macy, Jesse. 342.42 P700

8101 The English constitution. A commentary on its nature and growth. xxii,534 p. O. New York: Macmillan Co., 1897.

Stubbs, William. 342.42 N300

2702 The constitutional history of England in its origin and development. 3 vol. D. (Clarendon Press series.) Oxford: Clarendon Press, 1875–1878.

Vol. 1 in second edition.

Covers the period to the end of the Middle Ages.

342.494 Constitutional history of Switzerland

Adams, *Sir* Francis Ottiwell, & Cunningham, C. D. 342.494 P400

10902 The Swiss Confederation. xx,289 p. 1 map. O. New York: Macmillan & Co., 1894.

342.73 Constitutional history of United States

Ashley, Roscoe Lewis. 342.73 Q200

50255 The American federal state; a text-book in civics for high school and academies, by Roscoe Lewis Ashley, A.M. New York, London, The Macmillan Company, 1902.
xlv, 599 p. 21cm.

Bancroft, George. 342.739 O400

9595 History of the formation of the constitution of the United States of America. xxii,495 p. O. New York: D. Appleton & Co., 1896, c. 1884.

Cooley, Thomas McIntyre. 342.73 P804

22864 The general principles of constitutional law in the United States of America. Third edition, by Andrew C. McLaughlin. li,423 p. D. Boston: Little, Brown, & Co., 1898.

Cooley, Thomas McIntyre, 1824–1898. 342.73 Q301

62398 A treatise on the constitutional limitations which rest upon the legislative power of the states of the American union. By Thomas M. Cooley ... . Seventh edition, with large additions, giving the results of the recent cases, by Victor H. Lane ... . Boston, Little, Brown, and Co., 1903.
cxxiii, 1036 p. 24½cm.

Fiske, John. 342.73 P002

9722 Civil government in the United States considered with some reference to its origins. xxx,360 p. il. 1 map. D. Boston: Houghton, Mifflin & Co., c. 1890.
"Bibliographical note", at the end of each chapter.

Hare, John Innes Clark. 342.73 O904

10962 American constitutional law. 2 vol. paged continuously; vol. 1: lxxxi,[2],1–652 p.; vol. 2: [2],653–1400 p. O. Boston: Little, Brown, & Co., 1889.

Holst, Hermann von. 342.73 N300

5868 The constitutional and political history of the United States. Translated from the German by John J. Lalor ... . [8 vol.] O. Chicago: Callaghan & Co., 1876–1892.
Vol. 8 consists of an index and list of authorities, by Ira Hutchinson Brainerd.
Vol. 1 translated in co-operation with Alfred B. Mason; vol. 3, with Paul Shorey.

Jameson, John Alexander. 342.732 O700

10954 A treatise on constitutional conventions; their history, powers, and modes of proceeding. Fourth edition, revised, ... , and enlarged. xxix,684 p. O. Chicago: Callaghan & Co., 1887.

Macdonald, William, 1863– , *ed.* 342.73 P902

50284 Select charters and other documents illustrative of American history, 1606–1775. Edited with notes by William Macdonald ... . New York, London, The Macmillan Company, 1904, [c1899].
ix, 401 p. 20½cm.

342.73 Constitutional history of United States

Macdonald, William, 1863– , *ed.* 342.73 P703

50236 Select documents illustrative of the history of the United States, 1776–1861, edited with notes by William Macdonald ... New York, London, The Macmillan Company, 1903.

xiii, 465 p. 20½cm.

Macdonald, William, 1863– , *ed.* 342.73 Q303

66379 Select statutes and other documents illustrative of the history of the United States, 1861–1898; edited with notes by William Macdonald ... . New York, London, The Macmillan Company, 1903.

x, [2], 442 p. 20½cm.

U. S. A. *Constitutional Convention,* 1787. 342.73 F1

10166 a Journal of the Federal Convention kept by James Madison. Reprinted from the edition of 1840, which was published under direction of the United States government from the original manuscripts. A complete index specially adapted to this edition is added. Edited by E. H. Scott. Chicago, Albert, Scott & Co., 1895.

805 p. 24cm.

Schouler, James. 342.73 P702

9235 Constitutional studies, state and federal. xii,332 p. D. New York: Dodd, Mead & Co., 1897.

Contents: Part 1. Early charters and constitutions. Part 2. The federal union Part 3. State constitutions since 1789.

342.773 Constitutional history of Illinois

Greene, Evarts Boutell, 1870– 342.773 Q400

61951 ... . The government of Illinois; its history and administration, by Evarts Boutell Greene .... New York, London, The Macmillan Company, 1904.

xiv, 296 p. front. (fold. map), fold. table. 19cm. (Handbooks of American government.)

See also 320: Politics and government.

343 Criminal law

Farrer, James Anson. 343 O001

14435 Crimes and punishments. Including a new translation of Beccaria's 'Dei delitti e delle pene.' x,[2],251 p. D. London: Chatto & Windus, 1880.

Contents: 1. Beccaria's life and character. 2. The general influence of Beccaria on legislation. 3. The influence of Beccaria in England. 4. The problems of penology. Beccaria's 'Crimes and punishments,' translated.

Ellis, Havelock. **132.9 Q101** 343 Criminal law

31200 The criminal. Third edition, revised and enlarged. xxii,419 p. il. 21 pl. 6 p. of pl. D. [Contemporary science series, vol. 7.] London: W. Scott, 1901.

See also **132.9**: Criminal anthropology. **364**: Criminal sociology.

Mallory, John A , *comp.* **L345.21 Q100** 345 Statutes of United States

52399 Compiled statutes of the United States, 1901. Embracing the statutes of the United States of a general and permanent nature in force March 4, 1901, incorporating under the headings of the revised statutes the subsequent laws, together with explanatory and historical notes. Compiled by John A. Mallory .... In three volumes. .... St. Paul, West Publishing Co., 1902.

3 vol. 26½cm.

Paged continuously; vol. 1: cxlv, 1353 p.; vol. 2: vii, 1353a–2800 p.; vol. 3: viii, 2800a–4348 p.

——— ———. Supplement 1905. Embracing the statutes ... enacted since March 4, 1901, and in force March 4, 1905 .... St. Paul, 1905.

xxxii, 893 p. 26½cm.

U. S. A. *Congress.* **L345.11 1**

20292 Statutes of the United States of America, ... , and recent conventions, treaties, executive proclamations, and concurrent resolutions of the two Houses of Congress. .... Continued from Thirty-first Congress. 1849–50. Q. Washington 1850–.

Thirty-first to Thirty-fourth Congress edited by George Minot; Thirty-fifth to Forty-second Congress, 2d session, by George P. Sanger.

From the Thirty-first to the Forty-second Congress, 2d session, the Public laws, Private laws, and treaties concluded by the United States, were published together in Boston, with cover title: The statutes at large and treaties of the United States.

With slight variations in the subtitle.

Forty-second Congress, 2d session, and Fifty-first Congress, 1st session, incomplete.

Thirty-first Congress, 2d session, to Thirty-second, 1st session; Thirty-third, 2d session; Thirty-fourth, 3d session; Thirty-fifth, 2d session; Thirty-eighth, 2d session, to Fortieth; Forty-first, 2d session; Forty-second, 3d session; Forty-third, 1st session; Forty-fourth, 2d session; Forty-fifth, 1st session, missing.

Illinois. *Laws, statutes, etc.* **345.1243 1** 345.12 Statutes of Illinois

30367 Laws of the State of Illinois enacted by the ... General Assembly .... Springfield, Ill., State Printers, 1821–.

Continued from 2d General Assembly, 1820/1. 21cm.–23cm.

"First Gen. Ass'y Oct. 1818 and Jan. 1819. Sessions biennial, beginning Dec. in even years, 1820–46 (2d–15th Gen. Ass'y), and Jan. in odd years, 1849–1901 (16th–42d Gen. Ass'y). The 3rd [i. e. 4th] Gen. Ass'y opened in Nov. 1824 instead of Dec. There were extra sessions, called variously 2d, special, adjourned or extra, in 1819, ⟨1824?⟩, Jan. 1826, Dec. 1835, July 1837, Oct. 1839, Oct. 1849, June 1852, Feb. 1854, Apr. 1861, June 1867 (2 special sess.), May, Oct. and Nov. 1871, Jan. 1874, March 1882, July 1890, June 1895, Dec. 1897." — Bowker, State publications, pt. 2, p. 243.

No. 5–6, 1826–1828, no. 8, 1832, published in The revised ... laws of 1827, 1829, 1833 which are shelved **345.2243**; no. 17–18, 1851–1853, title reads: General laws ... ; no. 22–27, 1861–1871, Public laws ... ; other slight variations.

No. 32, 2d session, March 1882, no. 36, extra session, July 1890, published with Journal of the House: shelf number **328.7731 2**; no. 36, 1889, also with Journal of the Senate: shelf number **328.7731 1**

No. 2–5, 7–9, published in Vandalia; no. 6, in Shawneetown.

345.12 Statutes of Illinois

Illinois. *General Assembly.* **L345.2243 Q300**

61966 The revised statutes of the state of Illinois, 1903. Comprising the "Revised statutes of 1874," and all amendments thereto, together with the general acts of 1875, 1877, 1879, 1881, 1882, 1883, 1885, 1887, 1889, 1891, 1893, 1895, 1897, 1898, 1899, 1901 and 1903, being all the general statutes of the state in force on the first day of January, 1904. Compiled and edited by Harvey B. Hurd . . . . Chicago, Chicago Legal News Company, 1904.

[2], xv, 2121 p. front. (port.) 26cm.

347.6 Law of marriage and divorce

Keezer, Frank, 1866– **347.6 Q600**

64984 The law of marriage and divorce, giving the law in all the states and territories with approved forms, by Frank Keezer . . . . Boston, W. J. Nagel, 1906.

xvii, 609 p. 23½cm.

347.7 Commercial law

American business and accounting encyclopaedia. **L650.3 Q100**

30319 The American business and accounting encyclopaedia. A standard reference book for accountants and business men, ... Compiled by E. H. Beach and W. W. Thorne. Commercial law department by A. E. Rouech. Second edition. [2],1090 p. il. 1 por. 8 tables. Q. Detroit, Michigan: Book-keeper Publishing Co., c. 1901.

Bryant, John Collins. **650.2 P100**

9763 The business man's commercial law and business forms combined. A vade-mecum for the counting-house. Edited by the Hon. Geo. W. Clinton. Fourteenth edition.—Revised. 240,[2],57 p. 1 por. O. Buffalo, N. Y.: J. C. Bryant, 1897, c. 1891.

Colles, William Morris, 1855– **655.6 Q601**

63537 Playright and copyright in all countries, showing how to protect a play or a book throughout the world. By William Morris Colles ... and Harold Hardy . . . . London, New York, Macmillan and Co., ltd., 1906.

xx, 275 p. 22cm.

"List of authorities," p. xix–xx.

Gano, Darwin Curtis, 1872– **347.7 Q405**

65005 . . . . Commercial law, by D. Curtis Gano ... assisted by Samuel C. Williams . . . . New York, Cincinnati, [etc.], American Book Company, [1904].

399 p. forms. 21cm. (Williams & Rogers series.)

Macgillivray, Evan James. 655.642 Q200 347.7 Commercial law

50176 A treatise upon the law of copyright in the United Kingdom and the dominions of the crown, and in the United States of America; containing a full appendix of all Acts of Parliament, international conventions, Orders in council, Treasury minute and acts of Congress now in force; by E. J. Macgillivray, LL.B. . . . . London, J. Murray, 1902.

xxxvi, 403 p. 24cm.

"Table of English, Scotch, Irish, Indian, and Colonial cases," p. xix–xxx. "Table of cases in the United States," p. xxxi–xxxvi.

Rahill, John Joseph. 338.7 Q504

61918 . . . . Corporation accounting and corporation law; a manual of corporate organization and management. Accounting in theory and practice. Banking, with special reference to the national banking system, and a treatise on stock exchanges, by J. J. Rahill . . . . An appendix on the California examinations for C. P. A. certificates, with a full set of questions and answers, by Alfred G. Platt . . . . [1906 edition. Revised and enlarged.] Fresno, Cal., The author, 1906.

443, [9] p. 23½cm.

Roe, Edward Thomas. 658 Q401

50170 Safe methods; or, How to do business; business law, facts and forms, penmanship and correspondence, tables, short cuts and ready reckoner, the essence of volumes in a nutshell, by E. T. Roe . . . assisted by noted specialists in every department. Atlanta, Chicago, [etc.], Hertel, Jenkins & Co., [1904].

480 p. illus. 19cm.

Spalding, Hugh Mortimer. 347.7 Q300

41617 Encyclopædia of business law and forms . . . . Representing the study and decisions of most able lawyers and supreme judicial authorities. For all the states and Canada. With notes and authorities. By Hon. Hugh M. Spalding . . . . Revised edition. Philadelphia, Pa., P. W. Ziegler & Co., 1903.

[4], 702 p. 24cm.

Baldwin, Simeon Eben, 1840– 340.9 P800 349 History of law

56381 Modern political institutions, by Simeon E. Baldwin, ... Boston, Little, Brown, and Co., 1898.

[8], 387 p. 21cm.

Contents. — 1. Introduction. — 2. The centenary of modern government. — 3. The first century's changes in our state constitutions. — 4. Absolute power, an American institution. — 5. The exemption of the accused from examination in criminal proceedings. — 6. Freedom of incorporation. — 7. American jurisprudence. — 8. The decadence of the legal fiction. — 9. The recognition of habitual criminals as a class to be treated by itself. — 10. The defence by the state of suits attacking testamentary charities. — 11. Salaries for members of the legislature. — 12. Permanent courts of international arbitration. — 13. The Monroe doctrine in 1898.

349 History of law

Gilbert, Hiram Thornton, 1850– **349.773 Q601**

66380 Practice in the Municipal Court of Chicago, by Hiram T. Gilbert .... Chicago, Callaghan and Co., 1906.
xi, 795 p. 24cm.

Maine, *Sir* Henry [James] Sumner, 1822–1888. **309 M101**

54772 Ancient law. Its connection with the early history of society and its relation to modern ideas. By Sir Henry Sumner Maine .... With introduction and notes by Sir Frederick Pollock, ... London, J. Murray, 1906.
xxiv, 426 p. 22cm.

Maine, *Sir* Henry Sumner. **309 O300**

10087 Dissertations on early law and custom, chiefly selected from lectures delivered at Oxford. 6,[2],402 p. O. New York: H. Holt & Co., 1886.
Contents: 1. The sacred laws of the Hindus. 2. Religion and law. 3. Ancestor-worship. 4. Ancestor-worship and inheritance. 5. Royal succession and the Salic law. 6. The king, in his relation to early civil justice. 7. Theories of primitive society. 8. East European house communities. 9. The decay of feudal property in France and England. 10. Classifications of property. 11. Classifications of legal rules.

Maine, *Sir* Henry Sumner. **309.1 N400**

10816 Lectures on the early history of institutions. Seventh edition. viii,[2],412 p. O. London: J. Murray, 1897.

Two centuries' growth. **349.73 Q100**

50264 Two centuries' growth of American law, 1701–1901, by members of the faculty of the Yale Law School. New York, C. Scribner's Sons; [etc., etc.], 1901.
xviii, [2], 538 p. 23cm. (*Half-title:* Yale bicentennial publications.)
Contents.—Table of cases cited from the law reports.—Introduction. By S. E. Baldwin.—Constitutional law. By S. E. Baldwin.—Real property. By G. E. Beers.—Contract. By W. F. Foster.—Torts. By G. D. Watrous.—Equity. By E. B. Gager.—Mortgages of real property. By E. B. Gager.—Wills. By L. M. Daggett.—Municipal corporations. By H. W. Rogers.—Private corporations. By S. E. Baldwin.—Pleadings in civil actions. By S. E. Baldwin.—Evidence. By D. Torrance.—Criminal law and procedure. By J. H. Webb.—Patents. By W. K. Townsend.—Copyrights. By W. K. Townsend.—Trade-marks and unfair trade. By W. K. Townsend.—Admiralty. By W. K. Townsend.—International law. By T. S. Woolsey.

350–354 ADMINISTRATION (MUNICIPAL AND OTHER)

351.3 Civil service

Civil service question book. **351.3 O800**

12033 The civil service question book. ... : intended to be a sufficient review in all the subjects upon which questions are asked in the civil service examinations. With full answers and directions as to applications for examination and position. Fourth edition. 279 p. D. (School bulletin publications.) Syracuse, N. Y.: C. W. Bardeen, c. 1888.

Farrer, Thomas Henry Farrer, *1st baron*, 1819–1899. **380.2 Q200**

64991 The state in its relation to trade. By T. H. Farrer, with supplementary chapter by Sir Robert Giffen .... London, New York, Macmillan and Co., ltd., 1902.
xi, 208 p. 19½cm.

Leupp, Francis Ellington. 351.3 P900 351.3 Civil service

21378 How to prepare for a civil service examination, with recent questions and answers. iv,585 p. O. New York City: Hinds & Noble, c. 1899.

U. S. A. *Civil Service Commission.* 353.8917 2

13043 Manual of examinations for the classified service of the United States. . . . . Continued from 1898. tables. O. Washington 1898–.

Conference for Good City Government. 352 7 352 Municipal government

12082 Proceedings of the ... Conference for Good City Government . . . . Continued from [no. 1]. 1894. O. Philadelphia 1894–.

No. 1–4 published under the title: Proceedings of the National Conference for Good City Government.

No. 4 is called on the title-page: Proceedings of the Third National Conference . . . .

Eaton, Dorman Bridgman. 352 11

18604 The government of municipalities. x,498,14,14 p. O. New York: Macmillan Co., 1899.

Fairlie, John Archibald, 1872– 352.004 Q800

64985 Essays in municipal administration, by John A. Fairlie . . . . New York, The Macmillan Company, 1908.

vii, 374 p. 22½cm.

"Most of these articles have been previously published in various magazines and journals, or delivered before several societies." — Pref.

Fairlie, John Archibald. 35216

50261 Municipal administration, by John A. Fairlie . . . . New York, London, The Macmillan Company, 1901.

xiii, 448 p. 22½cm.

Goodnow, Frank Johnson. 352 3

5843 Municipal problems. xiii,321 p. D. New York: Macmillan Co., 1897.

National Municipal League. 352 13

27492 A municipal program. Report of a committee of the National Municipal League, adopted by the League, November 17, 1899, together with explanatory and other papers. xi,[1],246 p. O. New York 1900.

Contents: Fairlie, J. A. Municipal development in the United States. Deming, H. E. The municipal problem in the United States. Shaw, A. The city in the United States — the proper scope of its activities. Goodnow, F. J. The place of the council and of the mayor in the organization of municipal government — the necessity of distinguishing legislation from administration. Rowe, L. S. Public accounting under the proposed municipal program. Coler, B. S. The power to incur indebtedness under the proposed municipal program. Richardson, C. Municipal franchises. Goodnow, F. J. Political parties and city government under the proposed municipal program. Deming, H. E. Public opinion and city government under the proposed municipal program. Rowe, L. S. A summary of the program. Proposed constitutional amendments. Proposed municipal corporations act. Wilcox, D. F. An examination of the proposed municipal program.

352.04 European municipalities

Bell, *Sir* James, *Bart.*, & Paton, James. **L352.041 G46**

5667 Glasgow, its municipal organization and administration. xxiii, 426 p. il. 1 pl. 2 maps. sq.Q. Glasgow: J. MacLehose & Sons, 1896.

Shaw, Albert. **352.04 1**

11930 Municipal government in continental Europe. xii,[4],505 p. O. London: T. Fisher Unwin, 1897.

Shaw, Albert. **352.042 2**

1045 Municipal government in Great Britain. viii,[4],385 p. O. New York: Century Co., 1895.

352.073 American municipalities

De Forest, Robert Weeks, 1848– , *ed.* **331.835 Q301**

66378 The tenement house problem, including the report of the New York State Tenement House Commission of 1900, by various writers, edited by Robert W. De Forest and Lawrence Veiller ... New York, London, The Macmillan Company, 1903.

2 vol. fronts., plates, port., maps (1 fold.), plans, fold. tables, fold. chart. 23½cm.

"List of books important to a proper understanding of the tenement-house problem in the city of New York," vol. 1, p. 117–118.

Goodnow, Frank Johnson, 1859– **352.073 18**

61947 . . . . City government in the United States, by Frank J. Goodnow . . . . New York, The Century Co., 1904.

x, 315 p. 20cm. (The American state series.)

Municipal year book. **352.073 12**

35102 . . . . The Municipal year book. 1902. Giving the population, assessed valuation, principal officials, and ownership of public utilities; also information regarding the water supply, sewerage, street cleaning, street sprinkling, garbage, fire and underground electric service in all the incorporated places in the United States, and in all the New England towns of 3,000 population and upwards by the census of 1900. With summaries and editorial discussion. . . . . New York, The Engineering News Publishing Company, 1902.

1 vol. 23½cm.

At head of title: First issue.

Edited by M. N. Baker.

Ceased publication.

Wilcox, Delos Franklin, 1873– **352.073 16**

61975 . . . The American city: a problem in democracy, by Delos F. Wilcox, PH.D. New York, London, The Macmillan Company, 1904.

vii, 423 p. 19cm. (The citizen's library [of economics, politics, and sociology].)

Zueblin, Charles, 1866– **352.073 I1** 352.073 American municipalities

50173 .... American municipal progress; chapters in municipal sociology, by Charles Zueblin .... New York, London, The Macmillan Company, 1902.

v, 380 p. 19cm. (*Half-title:* The citizen's library of economics, politics, and sociology, ed. by R. T. Ely.)

Series title also at head of t.-p.

Contents. — Introduction: municipal sociology. — Transportation. — Public works. — Sanitation. — Public schools. — Public libraries. — Public buildings. — Parks and boulevards. — Public recreation. — Public control, ownership, and operation.

Chicago. *City Council.* **692.9773 Q500** 352.0773 Municipal government of Chicago

49857 An ordinance relating to the Department of Buildings and governing the erection of buildings, etc. in the City of Chicago passed March 13, 1905. Chicago, Moorman & Geller, printers, 1905.

384 p. 1 fold. plan. 18cm.

Chicago. *Ordinances, etc.* **352.0773 C4393**

58273 The revised municipal code of Chicago of 1905. Passed March 20, 1905 ... Containing all the general ordinances of the city in force March 20, A.D. 1905, together with an appendix containing all prohibition and local option ordinances in force on said date, and the track elevation ordinance of February 23, 1893; also certain material provisions of the statutes of the state of Illinois relating to municipal governments. With a supplement containing all general ordinances passed by the City Council between March 20, 1905, and September 25, 1905. Revised and codified by Edgar Bronson Tolman ... assisted by William H. Arthur and Roswell B. Mason ... Chicago, Rochester, N. Y., The Lawyers' Co-operative Publishing Company, 1905.

vi, [2], 979 p. 24cm.

———. Amendments ... and new general ordinances passed by the City Council of the City of Chicago between March 20, 1905, and [Sept. 1, 1907. ... Supplement no. I–II. Chicago, 1906–1907.]

2 vol. 23cm.

No. 1 compiled by Edward J. Padden.

Chicago. *Bureau of Statistics and Municipal Library.* **977.316 Q800**

65527 The Chicago city manual, containing a list of the executive and other city officers, with descriptions of their duties; lists of the Aldermen and of the committees of the City Council and the rules regulating that body and many other matters .... Compiled by Francis A. Eastman, city statistician. Chicago, Bureau of Statistics and Municipal Library, 1908.

203, iv p. incl. tables. 1 pl., 2 port., 1 fold. plan. 23½cm.

Norton, Samuel Wilber. **388.9773 Q702**

66382 Chicago traction; a history, legislative and political, by Samuel Wilber Norton .... Chicago, 1907.

240 p. front., ports. 20cm.

352.0773 Muncicipal government of Chicago

Winchell, Samuel Robertson. 977.316 Q500

61923 Chicago past and present; a manual for the citizen, the teacher and the student; history, government, officials, their duties and salaries .... By S. R. Winchell .... Chicago, A. Flanagan Company, 1906.

247 p. illus. 20cm.

352.12 Municipal taxation

Ely, Richard Theodore. 336.2 O800

9694 Taxation in American states and cities. By Richard T. Ely. Assisted by John H. Finley. .... xx,544 p. 2 tables. D. New York: T. Y. Crowell & Co., c. 1888.

National Conference on State and Local Taxation. 336.2 Q800

64666 *1st, Columbus, O.*, 1907.

State and local taxation; first National Conference under the auspices of the National Tax Association, Columbus, Ohio, November 12–15, 1907. Addresses and proceedings. New York, The Macmillan Company, 1908.

[6, ix]–xx, 675 p. 22½cm.

352.5 Public buildings and works

Baker, Moses Nelson. 628.02 Q104

50260 .... Municipal engineering and sanitation by M. N. Baker ... New York, London, The Macmillan Company, 1902, [1901].

viii, 317 p. 19½cm. (The citizens library.)

Bemis, Edward Webster, *editor.* 352.5 P900

17716 Municipal monopolies. A collection of papers by American economists and specialists. ix,691 p. 3 tables. D. [Library of economics and politics.] New York: T. Crowell & Co., c. 1899.

Robinson, Charles Mulford. 352.5 Q100

29374 The improvement of towns and cities; or, The practical basis of civic æsthetics. xii,[2],309 p. D. New York: G. P. Putnam's Sons, 1901.

Contents: A. Foundations of civic beauty: 1. The site of the city. 2. The street plan. 3. The elementary construction. B. Beauty in the street: 4. Suppression and repression. 5. The advertisement problem. 6. Making utilities beautiful. 7. The tree's importance. 8. Possibilities of gardening. C. Æsthetic phase of social and philanthropic effort: 9. Parks and drives. 10. "Squares" and playgrounds. 11. Architectural development. 12. Architectural obligations. D. Æsthetic phase of educational effort: 13. Function and placing of sculpture. 14. Popular education in art. E. Means to secure civic æsthetics: 15. Work of individuals and societies. 16. Work of officials.

Robinson, Charles Mulford. 352.5 Q300

34986 Modern civic art; or, The city made beautiful, by Charles Mulford Robinson .... New York and London, G. P. Putnam's Sons, 1903.

iv, 381 p. 22½cm.

353 United States government

Fairlie, John Archibald, 1872– 353 Q500

61992 The national administration of the United States of America, by John A. Fairlie .... New York, London, The Macmillan Company, 1905.

xi, 274 p. 23cm.

Gauss, Henry Colford, 1867– **353 Q700** 353 United States government

63968 The American government, organization and officials, with the duties and powers of federal office holders; an original summarization by H. C. Gauss, with a compilation of data from official sources. New York, L. R. Hamersly & Co., 1908.

xxiii, 871 p. 24cm.

Hart, Albert Bushnell, 1854– **320.973 Q302**

50278 . . . . Actual government as applied under American conditions. By Albert Bushnell Hart . . . . New York, London, [etc.], Longmans, Green, and Co., 1903.

xliv, 599 p. front., plates, maps, table. 20½cm. (American citizen series.)

"Select bibliography of American government," p. [xiii]–xxxiv.

U. S. A. *Department of Commerce and Labor.* **L353 1**

2028 *Bureau of the Census.*

Official register. Persons in the civil, military, and naval service of the United States, and list of vessels. . . . . Compiled by the Director of the Census. Washington, Gov't Print. Off., 1857–.

Continued from 1857. 23cm.–30 x 23cm.

1857–1877 title reads: Register of officers and agents, civil, military, and naval in the service of the United States. Other slight variations.

1857–1859 compiled under the direction of the Secretary of State; 1869–1905, by the Secretary of the Interior.

Published biennially.

1861, 1869, 1873, 1883: part 1, wanting.

U. S. A. *Post Office Department.* **353.4 1**

2068 United States official postal guide. Revised and published . . . by authority of the Post Office Department. . . . . Second series, vol. 13. 1891. Continued from vol. 17. 1895. O. [Washington, D. C.], c. 1891–.

Vol. 13, no. 2–12; vol. 17, no. 2–12; vol. 22, no. 2–4, 6, 11; vol. 23, no. 8–10, missing.

Illinois. *Secretary of State.* **353.9773 20** 353.9 State governments

26676 Blue book of the State of Illinois. Compiled and published by . . . , [the] Secretary of State. Springfield, Ill., Phillips Bros., state printers, 1899–.

Continued from 1899. plates, maps. 23cm.

1899–1901 title reads: List of state officers, ...

Massachusetts. **974.4 2**

2966 Massachusetts year book, ... Continued from vol. 2. 1896. il. pl. map. D. Worcester: F. S. Blanchard, c. 1896–.

Vol. 2–4 compiled by Alfred S. Roe.

With slight variations in subtitle.

See also **320:** Politics and government. **342:** Constitutional history.

354 Foreign governments

Great Britain. *Colonial Office.* **314.2 2**

3296 The Colonial Office list: comprising historical and statistical information respecting the colonial dependencies of Great Britain, ... Compiled from official records, ... Continued from no. 35. [1896.] maps, tables. O. London, pref. 1896–.

No. 35–36 edited by John Anderson; no. 37-, by W. H. Mercer and A. E. Collins.

Kürschners Staats-, Hof- und Kommunal-Handbuch. **354.43 5**

33498 Kürschners Staats-, Hof- und Kommunal-Handbuch des [Deutschen] Reichs und der Einzelstaaten zugleich statistisches Jahrbuch. . . . . München, E. Erztel, 1902–.

Continued from vol. 17, 1902. illus., ports. 19½cm.

Vol. 17 title reads: Staats- Hof- und Kommunal-Handbuch . . . . Herausgegeben von Joseph Kürschner. Leipzig, G. J. Göschen'sche Verlagshandlung.

Stockholm. K. Svenska Vetenskaps-Akademien. **354.485 1**

11715 Sveriges statskalender . . . . Utgifven efter Kongl. Maj:ts nådigste förordnande af dess Vetenskaps-Akademi. Bihang: Utdrag ur Norges statskalender. Continued from 1898. O. Stockholm 1897–.

See also **320:** Politics and government. **342:** Constitutional history.

355–359 MILITARY AND NAVAL SCIENCE

Farrow, Edward S. **L355.03 P501**

21020 Farrow's military encyclopedia. A dictionary of military knowledge. Second edition, revised and enlarged, with supplement. 3 vol. il. pl. maps. Q. New York: Military-Naval Publishing Co., 1895, c. 1884.

Harbottle, Thomas Benfield, *d.* 1904. **355.03 Q400**

61988 Dictionary of battles from the earliest date to the present time, by Thomas Benfield Harbottle . . . . London, S. Sonnenschein & Co., ltd., 1904.

[6], 298 p. 20½cm. [Sonnenschein's dictionaries of quotations. 10.]

Oman, Charles [William Chadwick]. **L355.09 P800**

17780 A history of the art of war. The Middle Ages from the fourth to the fourteenth century. xv,667 p. 7 pl. 17 maps. O. London: Methuen & Co., 1898.

359 Naval science

Maclay, Edgar Stanton. **359.0973 Q100**

29154 A history of the United States Navy from 1775 to 1901. With technical revision by Lieutenant Roy Campbell Smith. New and enlarged edition. 3 vol. il. pl. maps. O. New York: D. Appleton & Co., 1901.

Vol. 3 is not revised by Lieut. R. C. Smith.

Maclay, Edgar Stanton. 359.0973 Q200 359 Naval science

33199 A history of the United States Navy from 1775 to 1902. New and enlarged edition. Vol. 3. xxii,537 p. il. 30 pl. O. New York: D. Appleton & Co., 1902.

Mahan, Alfred Thayer. 359.0973 P700

10111 The interest of America in sea power, present and future. vi,[4], 314 p. 2 maps. O. Boston: Little, Brown & Co., 1897.

Naval annual. L359.052 1

12650 The Naval annual, ... Portsmouth, J. Griffin and Co., 1898–.

Continued from [vol. 12], 1898. fronts., illus., plates, plans, maps, tables. 25cm.

Naval encyclopædia. L359.03 O001

16267 A naval encyclopædia: comprising a dictionary of nautical words and phrases; biographical notices, and records of naval officers; special articles on naval art and science, written ... by officers and others of recognized authority in the branches treated by them. Together with descriptions of the principal naval stations and seaports of the world. 1017 p. il. Q. Philadelphia: L. R. Hamersly & Co., 1881.

Progress of the century. 032 Q100

27963 The progress of the century. . . . . iii,[1],582,[2] p. O. New York: Harper & Brothers, 1901.

Contents: Wallace, A. R. Evolution. Ramsay, W. Chemistry. Petrie, W. M. F.-. Archaeology. Lockyer, Sir J. N. Astronomy. Caird, E. Philosophy. Osler, W. Medicine. Keen, W. W. Surgery. Thomson, E. Electricity. Mendenhall, T. C. Physics. Dilke, Sir C. W. War. Mahan, A. T. Naval ships. Lang, A. Literature. Clarke, T. C. Engineering. Religion: Gibbons, J., Cardinal. Catholicism. Allen, A. V. G. Protestantism. Gottheil, R. J. H. The Jews and Judaism. Smith, G. Freethought.

360 CHARITIES AND CORRECTIONS

Philanthropy. 304 P53

9976 Philanthropy and social progress. Seven essays by Miss Jane Addams, Robert A. Woods, Father J. O. S. Huntington, Professor Franklin H. Giddings, and Bernard Bosanquet. Delivered before the School of Applied Ethics at Plymouth, Mass. during the season of 1892. With introduction by Professor Henry C. Adams. New York, T. Y. Crowell & Co., [c1893].

xi, 268 p. 19½cm.

Contents. — 1. Addams, J. The subjective necessity for social settlements. — 2. *Same.* The objective value of a social settlement. — 3. Woods, R. A. The university settlement idea. — 4. Huntington, J. O. S. Philanthropy — its success and failure. — 5. *Same.* Philanthropy and morality. — 6. Giddings, F. H. The ethics of social progress. — 7. Bosanquet, B. The principles and chief dangers of the administration of charity.

360 Charities and corrections

Bosanquet, Bernard, *editor.* **304 B65**

223 Aspects of the social problem, by various writers. x,334 p. D. London: Macmillan & Co., 1895.

Contents: 1-2. Bosanquet, B. The duties of citizenship. 3. Dendy, H. The children of working London. 4. M'Callum, M. The protection of children. 5. Dendy, H. The position of women in industry. 6. Dendy, H. Marriage in East London. 7. Dendy, H. The industrial residuum. 8. Bosanquet, B. Character in its bearing on social causation. 9. Dendy, H. Old pensioners. 10. Loch, C. S. Pauperism and old-age pensions. 11. Dendy, H. The meaning and methods of true charity. 12. M'Callum, M. Some aspects of reform. 13. Dendy, H. Origin and history of the English poor law. 14. Loch, C. S. Some controverted points in the administration of poor relief. 15. Loch, C. S. Returns as an instrument in social science. 16. Bosanquet, B. Socialism and natural selection. 17. Bosanquet, B. The principle of private property. 18. Bosanquet, B. The reality of the general will.

Chicago Charities Directory Association. **360.9773 3**

50614 Chicago charities directory. A descriptive exhibit of the philanthropic, social, and religious resources of the City of Chicago. Also an epitome of laws useful in the conduct of charitable and social work. . . . . Published by the Chicago Charities Directory Association. [Chicago], 1905.

1906. 17½cm.

Edited by Mrs. Ida Sonneborn.

Devine, Edward Thomas, 1867– **361 Q400**

65006 The principles of relief, by Edward T. Devine . . . . New York, London, The Macmillan Company, 1904.

vi, 495 p. 20½cm.

Contents.—pt. 1. Principles.—pt. 2. Typical relief problems.—pt. 3. Historical survey.—pt. 4. Relief in disasters.—Appendices: 1. Draft of a constitution for a charity organization society. 2. Rules of the committee on charitable transportation.

Henderson, Charles Richmond. **360.2 Q100**

28407 Introduction to the study of the dependent, defective, and delinquent classes, and of their social treatment. Second edition, enlarged and rewritten. viii,397 p. 1 pl. O. Boston, U. S. A.: D. C. Heath & Co., 1901.

"This volume is nominally the second edition of a book some time out of print, and it is almost entirely a new book. Since the first edition, a pioneer in this field, the matter and form have been tested and sifted by criticism, by wider reading and further practical experience in charity organization work, and by classroom instruction." *Preface.*

Appendix [bibliographical and statistical], p. 349-394.

Henderson, Charles Richmond, 1848– **361.9 Q400**

61980 Modern methods of charity; an account of the systems of relief, public and private, in the principal countries having modern methods, by Charles Richmond Henderson, assisted by others. New York, London, The Macmillan Company, 1904.

xiv, 715 p. 23½cm.

Bibliography, p. 689-702.

Tolman, William Howe, & Hull, William I. 360.9747 P400 360 Charities and corrections

5850 Handbook of sociological information, with especial reference to New York City. Prepared for the City Vigilance League, New York City. xi,257 p. O. New York 1894.

Contains a bibliography of sociology.

Warner, Amos Griswold. 360.973 P400

10659 American charities. A study in philanthropy and economics. Third thousand. viii,430 p. il. 1 map, 6 tables. D. [Library of economics and politics, vol. 4.] New York: T. Y. Crowell & Co., c. 1894.

Woods, Robert Archey. 309.42 P100

11579 English social movements. Third edition. vii,[2],277 p. D. New York: C. Scribner's Sons, 1897, c. 1891.

Contents: 1. The labor movement. 2. Socialism. 3. The university settlements. 4. University extension. 5. The social work of the church. 6. Charity and philanthropy. 7. Moral and educational progress.

Burdett's hospitals. 362.942 1 362 Hospitals. Insane. Defectives

18404 Burdett's hospitals and charities ... being the year book of philanthropy and the hospital annual, containing a review of the position and requirements, and chapters on the management, revenue and cost of the charities. An exhaustive record of hospital work for the [preceding] year. . . . . London, The Scientific Press, ltd., [1895–].

Continued from vol. 6, 1895. 18½cm.
Subtitle varies.
Edited by Sir Henry Burdett.
Vol. 7 wanting.

Folks, Homer, 1867– 362.7 Q200

64981 The care of destitute, neglected, and delinquent children, by Homer Folks . . . . New York, London, The Macmillan Company, 1902.

ix, 251 p. 18cm. (*Half-title:* American philanthropy of the nineteenth century.)
References at the beginning of each chapter.

Letchworth, William Pryor. 362.2 0901

4130 The insane in foreign countries. Second edition. xvi,400,7 p. 19 pl. 2 maps. Q. New York: G. P. Putnam's Sons, 1889.

Ochsner, Albert John, 1858– L725.5 O16

63985 The organization, construction and management of hospitals, with numerous plans and details, by Albert J. Ochsner ... and Meyer J. Sturm . . . . Chicago, Cleveland Press, 1907.

[4], [vii]–viii, [9]–600 p. incl. illus., plans, diagrs. 28½cm.

362 Hospitals. Insane. Defectives

U. S. A. *Department of Commerce and Labor.* **L362.973 2**
49878 *Bureau of the Census.*

. . . . Benevolent institutions 1904. Washington, Gov't Print. Off., 1905.

335 p. 30 x 23cm. (Department of Commerce and Labor. Bureau of the Census. S. N. D. North, director. Special reports.)

U. S. A. *Department of Commerce and Labor.* **L362.4 Q001**
65323 *Bureau of the Census.*

. . . . The blind and the deaf 1900 . . . . Washington, Gov't Print. Off., 1906.

ix, 264 p. illus. 30cm.

At head of title: Department of Commerce and Labor. Bureau of the Census. S. N. D. North, director. Special reports.

The preliminary data for this report were collected by the enumerators of the twelfth census. The compilation of the statistical tables was performed in the Division of Vital Statistics under the supervision of the late William A. King. The inquiry was initiated and the correspondence conducted under the direction of Dr. Alexander Graham Bell. He also prepared the text relating to the deaf. In arranging the classification of the causes of blindness, Dr. Bell was assisted by the late Dr. Swan M. Burnett.

U. S. A. *Department of Commerce and Labor.* **L362.2 Q401**
65007 *Bureau of the Census.*

. . . . Insane and feeble-minded in hospitals and institutions 1904 . . . . Washington, Gov't Print. Off., 1906.

v, 232 p. tables. 30cm.

At head of title: Department of Commerce and Labor. Bureau of the Census. S. N. D. North, director. Special reports.

Investigation made under the direction of John Koren.

Data collected and compiled under the direction of the late William A. King, chief statistician for vital statistics.

U. S. A. *Department of Commerce and Labor.* **L362.973 3**
64987 *Bureau of the Census.*

. . . . Paupers in almshouses 1904 . . . . Washington, Gov't Print. Off., 1906.

v, 210 p. 30 x 23½cm.

At head of title: Department of Commerce and Labor. Bureau of the Census. S. N. D. North, director. Special reports.

The inquiry was conducted under the direction of John Koren.

The data were collected and compiled under the supervision of the late William A. King, chief statistician for vital statistics.

364 Criminal sociology

Ferri, Enrico. **364 P300**
6110 Criminal sociology. xx,284 p. D. [Criminology series, vol. 2.] New York: D. Appleton & Co., 1896.

International Prison Commission. . 364.973 I1 364 Criminal sociology

65008 . . . . Children's courts in the United States. Their origin, development, and results . . . . Washington, Gov't Print. Off., 1904.

xvii, 203 p. 23½cm. ([U. S. A.] 58th Congress, 2d session. House of Representatives. Document no. 701.)

Contents. — Introduction, by Samuel J. Barrows. — Illinois: Children's court in Chicago, by Richard S. Tuthill. Development of the juvenile court idea, by T. D. Hurley. — New York: Juvenile court of Buffalo, by Thomas Murphy. The child of the large city, by Julius M. Mayer. The Children's court of Brooklyn, by Robert J. Wilkin. — Colorado: The Juvenile court of Denver, by Ben B. Lindsey. Additional report on methods and results, by Ben B. Lindsey. — Pennsylvania: A campaign for childhood, by Hannah Kent Schoff. — Wisconsin: Juvenile court of Milwaukee, by Bert Hall. — New Jersey: Children's court in Newark, by Alfred F. Skinner. — Indiana: The mission of the Juvenile court of Indianapolis, by George W. Stubbs. The probation system of the Juvenile court of Indianapolis, by Mrs. Helen W. Rogers. — Missouri: The change wrought by the juvenile probation system in St. Louis, by Charlotte C. Eliot. — Appendix: Juvenile court laws.

Morrison, William Douglas. 364 P100

5065 Crime and its causes. x,[2],236 p. D. [Social science series, vol. 27.] London: Swan Sonnenschein & Co., 1891.

Morrison, William Douglas. 364 P600

6035 Juvenile offenders. xx,317 p. O. [Criminology series, no. 3.] London: T. Fisher Unwin, 1896.

Travis, Thomas. 132.9 Q800

63974 The young malefactor; a study in juvenile delinquency, its causes and treatment, by Thomas Travis, PH. D.; with an introduction by the Honorable Ben B. Lindsey . . . . New York, T. Y. Crowell & Co., [1908].

[2], v–xxviii, 243, [2] p. XIII pl. on 7 l. 20½cm.
Plates printed on both sides.
"Bibliography," p. 233–235.

Wines, Frederick Howard. 364 P500

10975 Punishment and reformation. An historical sketch of the rise of the penitentiary system. xi,339 p. il. 6 pl. [Library of economics and politics, vol. 6.] New York: T. Y. Crowell & Co., c. 1895.

See also **132.9**: Criminal anthropology. **343**: Criminal law.

Dawson, Miles Menander, 1863– 368.3 Q506 368 Insurance

62009 The business of life insurance, by Miles Menander Dawson . . . . New York, A. S. Barnes & Co., 1905.

viii, 404 p. 19cm.

368 Insurance

Harris, William A. 660.3 O900

4991 A technological dictionary of insurance chemistry. xi,407 p. D. Liverpool: published by the author at the Phœnix Fire Office, 1890.

Hendrick, Burton Jesse, 1870– 368.3 Q701

60310 The story of life insurance, by Burton J. Hendrick. London, W. Heinemann, 1907.

[10], 296 p. front. (port.) 19½cm.

"Articles ... undertaken at the request of the editors of McClure's magazine, in which periodical they were first published." — Pub. note.

Insurance yearbook. 368.973 4

32703 The Insurance yearbook. .... New York, The Spectator Company, 1881–.

Vol. [9, 11], 25, pt. 2, 1881/2, 1883/4, 1897/8; continued from vol. 29, 1901. 24½cm.

Vol. 25–, published in two parts: 1. Life and miscellaneous insurance; 2. Fire and marine.

Willoughby, William Franklin. 331.25 P800

19093 Workingmen's insurance. xii,386 p. D. [Library of economics and politics.] New York: T. Y. Crowell & Co., c. 1898.

"Bibliographical note," p. 379–386.

370 EDUCATION

370.1 Theory of education

De Garmo, Charles, 1849– 370.1 P502

5589 ... Herbart and the Herbartians, by Charles de Garmo, PH.D. .... New York, C. Scribner's Sons, 1896, [c1895].

ix, 268 p. 19cm. (The great educators. .... .)

"Bibliography of Herbartian literature," p. 257–268.

Harris, William Torrey. 150.2 P801

12857 Psychologic foundations of education. An attempt to show the genesis of the higher faculties of the mind. xxxv,400 p. D. (International education series, vol. 37.) New York: D. Appleton & Co., 1898.

Herbart, [Johann Friedrich], 1776–1841. 370.1 P602

6159 .... Herbart's ABC of sense-perception and minor pedagogical works. Translated, with introduction, notes, and commentary, by William J. Eckoff. .... New York, D. Appleton & Co., 1896.

xxxi, 288 p. 10 diagr., 2 tables. 18½cm. (International education series. [Volume XXXVI.])

Herbart, Johann Friedrich. 370.1 K100

28390 Outlines of educational doctrine. By John Frederick Herbart. Translated by Alexis F. Lange. Annotated by Charles De Garmo. xi,334 p. D. New York: Macmillan Co., 1901.

Herbart, Johann Friedrich. 370.1 P700 370.1 Theory of education

7609 The science of education. Its general principles deduced from its aim and the æsthetic revelation of the world. Translated from the German with a biographical introduction by Henry M. and Emmie Felkin. And a preface by Oscar Browning. Second edition. xx,286 p. D. London: Swan Sonnenschein & Co., 1897.

Judd, Charles Hubbard, 1873– 150.2 Q300

50196 . . . . Genetic psychology for teachers, by Charles Hubbard Judd . . . . New York, D. Appleton and Co., 1903.
xiii, 329 p. illus. 18½cm. (International education series [v. 55].)

Parker, Francis Wayland. 370.1 P401

12514 Talks on pedagogics. An outline of the theory of concentration. [2],xvi,491 p. 1 por. D. (Kellogg's teachers' library, vol. 1.) New York: E. L. Kellogg & Co., c. 1894.

Rosenkranz, Johann Karl Friedrich. 370.1 K800

3452 The philosophy of education. Translated from the German by Anna C. Brackett. Second edition, revised, and accompanied with commentary and analysis. xxviii,286 p. D. (International education series, vol. 1.) New York: D. Appleton & Co., 1886.

Rousseau, [Jean Jacques]. 370.1 F2

22984 Rousseau's Émile, or Treatise on education. Abridged, translated, and annotated by William H. Payne. xlv,363 p. D. (International education series, vol. 20.) New York: D. Appleton & Co., 1899.

Spencer, Herbert. 370.1 M001

6724 Education: intellectual, moral, and physical. 283 p. O. New York: D. Appleton & Co., 1896, c. 1860.

Barnett, Percy Arthur, *editor.* 370.2 P701 370.2 Compends of education

8010 Teaching and organisation. With special reference to secondary schools. A manual of practice. xix,419 p. il. D. London: Longmans, Green & Co., 1897.

Contents: 1. Barnett, P. A. The criteria in education. 2. Pollard, A. T. Organisation and curricula. 3. Welldon, E. A. The kindergarten, 4. Burrell, A. Reading and speaking. 5. Morris, I. H. Writing. 6. —. Drawing. 7. Wormell, R. Mathematics. 8. Abbott, E. A. On the teaching of English grammar. 9. Barnett, P. A. English literature. 10. Somervell, R. Modern history. 11. Withers, H. L. Ancient history. 12. Gonner, E. C. K. Geography. 13. Lyttelton, E. Classical teaching. 14. Miall, L. C. The teaching of science. 15. Storr, F. The teaching of modern languages. 16. McNaught, W. G. Vocal music. 17. Sidgwick, A. Form management. 18. Buckle, G. E. Ineffectiveness in teaching. 19. Glazebrook, M. G. Specialisation. 20. Martin, A. T. School libraries. 21. Dukes, C. Health and physical culture. 22. Hill, W. K. Furniture, apparatus and appliances. 23. Sandford, M. E. Organisation and curricula in girls' schools.

370.2 Compends of education

Fitch, Joshua Girling. 370.2 O100

978 Lectures on teaching, delivered in the University of Cambridge during the Lent term, 1880. New edition. xvii,[1],436 p. D. Cambridge: University Press, 1883.

Laurie, Simon Somerville. 370.2 P202

8451 Institutes of education, comprising an introduction to rational psychology. . . . . ix,272 p. D. Edinburgh: J. Thin, 1892.

370.3 Dictionaries of education

Dictionnaire. L370.3 O700

6642 Dictionnaire de pédagogie et d'instruction primaire. Publié sous la direction de F. Buisson, avec le concours d'un grand nombre de collaborateurs. 2 parts and supplement in 4 vol. il. Q. Paris: Hachette & Cie, 1887–1888.

Kiddle, Henry, & Schem, Alexander J., *editors.* L370.3 O300

6210 The Cyclopædia of education: a dictionary of information for the use of teachers, school officers, parents, and others. Third edition. With appendix. [2],v,868,xvii,[10] p. Q. New York: E. Steiger & Co., 1883, c. 1876.

Rein, Wilhelm, 1847– L370.3 P500

5966 Encyklopädisches Handbuch der Pädagogik, herausgegeben von W. Rein . . . . Erster–[siebenter] Band. Langensalza, H. Beyer & Söhne, 1895–1899.

7 vol. 26cm.

Sonnenschein's cyclopædia of education. 370.3 P200

5939 Sonnenschein's cyclopædia of education. A handbook of reference on all subjects connected with education (its history, theory, and practice), ... Edited by Alfred Ewen Fletcher. Third edition. [6],562 p. O. London: Swan Sonnenschein & Co., 1892.

Contains also A select and systematic bibliography of pedagogy by William Swan Sonnenschein.

370.4 Educational essays

Eliot, Charles William. 370.4 E42

16512 Educational reform. Essays and addresses. ix,418 p. O. New York: Century Co., 1898.

Contents: 1. Inaugural address as president of Harvard College. 2. Address at the inauguration of Daniel C. Gilman. 3. Teachers' tenure of office. 4. On the education of ministers. 5. What is a liberal education? 6. Liberty in education. 7. Can school programmes be shortened and enriched? 8. An average Massachusetts grammar school. 9. The gap between common schools and colleges. 10. The aims of the higher education. 11. Shortening and enriching the grammar-school course. 12. Undesirable and desirable uniformity in schools. 13. The grammar school of the future. 14. The unity of educational reform. 15. Medical education of the future. 16. A wider range of electives in college admission requirements. 17. An urban university. 18. The function of education in democratic society.

Locke, John. **370.4 L79** 370.4 Educational essays

10753 Some thoughts concerning education. With introduction and notes by the Rev. R. H. Quick. Second edition. . . . . lxiv,240 p. S. (Pitt Press series.) Cambridge: University Press, 1889, pref. 1884.

Payne, Joseph. *1808–1876.* **370.4 P29**

3313 Lectures on the science and art of education. With other lectures and essays. Reading Club edition. . . . . By C. W. Bardeen. 281 p. D. (School bulletin publications.) Syracuse, N. Y.: C. W. Bardeen, 1885.

Compayré, Gabriel. **370.9 O300** 370.9 History of education

5938 The history of pedagogy. Translated, with an introduction, notes, and an index, by W. H. Payne. Third edition. xxvi,598 p. D. London: Swan Sonnenschein & Co., 1895.

Cubberley, Ellwood P , 1868– **L370.9 Q401**

61953 Syllabus of lectures on the history of education, with selected bibliographies and suggested readings, by Ellwood P. Cubberley . . . . Second edition, revised and enlarged. New York, London, The Macmillan Company, 1904.

xv, 361 p. illus. 26½cm.

Paging irregular: many unnumbered blank pages.

Painter, Franklin Verzelius Newton, 1852– **370.9 Q400**

61950 . . . . A history of education, by F. V. N. Painter . . . . Revised, enlarged and largely rewritten. New York, D. Appleton and Co., 1904.

xix, 408 p. 18½cm. (International education series. [Vol. 2].)

Ware, Fabian. **370.9 Q103**

65009 Educational foundations of trade and industry, by Fabian Ware . . . . London and New York, Harper & Brothers, 1901.

xiii, 300 p. 1 fold. table. 18½cm.

Quick, Robert Hebert. **370.92 Q41** 370.92 Educational biography

6747 Essays on educational reformers. Only authorized edition of the work as rewritten in 1890. xxxiv,568 p. D. (International education series, vol. 17.) New York: D. Appleton & Co., 1896, pref. 1890.

Fitch, *Sir* Joshua [Girling]. **370.9204 F55**

7844 Thomas and Matthew Arnold and their influence on English education. ix,277 p. D. [Great educators.] New York: C. Scribner's Sons, 1897.

Laurie, Simon Somerville. **370.9218 L37**

6485 John Amos Comenius, Bishop of the Moravians: his life and educational works. Reading-circle edition, with a new bibliography . . . . 272 p. il. 1 pl. D. (School bulletin publications.) Syracuse, N. Y.: C. W. Bardeen, 1892.

370.92 Educational biography

Hughes, Thomas, *S. J.* **370.9252 H87**

13158 Loyola and the educational system of the Jesuits. ix,302 p. D. (Great educators.) New York: C. Scribner's Sons, 1892.

Hinsdale, Burke Aaron. **370.9254 H59**

12968 Horace Mann and the common school revival in the United States. vii,326 p. D. (Great educators.) New York: C. Scribner's Sons, 1898.

Guimps, Roger de. **370.9267 G94**

3393 Pestalozzi: his life and work. Authorized translation from the second French edition, by J. Russell. . . . . xix,[3],438 p. D. (International education series, vol. 14.) New York: D. Appleton & Co., 1890.

Davidson, Thomas. **370.9275 D28**

12961 Rousseau and education according to nature. vii,253 p. D. (Great educators.) New York: C. Scribner's Sons, 1898.

370.938 Education in Greece

Davidson, Thomas. **370.938 P400**

6105 The education of the Greek people and its influence on civilization. xiv,[4],229 p. D. (International education series, vol. 28.) New York: D. Appleton & Co., 1896.

370.973 Education in the United States

Dexter, Edwin Grant, 1868– **370.973 Q400**

61941 A history of education in the United States, by Edwin Grant Dexter . . . . New York, London, The Macmillan Company, 1904.

xxi, 656 p. 7 maps. 20½cm.

"With acknowledgments to J. E. Miller, A.M., and to other members of my educational seminar for valuable assistance in the preparation of material."

Selected list of American periodicals, p. 636–637.

"References" at end of chapters.

Education. **370.973 Q001**

23895 Education in the United States. A series of monographs prepared for the United States exhibit at the Paris Exposition, 1900. Edited by Nicholas Murray Butler . . . . Albany, N. Y., J. B. Lyon Company, 1900.

2 vol. XXIV (*i. e.* 12) pl. (incl. plans), 2 maps, 3 tables, 5 diagr. 24½cm.

Paged continuously; vol. 1: xviii, 464, [464a]–464e p.; vol. 2: [4], [465]–977 p.

The plates consist of 12 leaves with illustrations on both sides.

Title-pages for individual monographs read: Department of Education for the United States Commission to the Paris Exposition of 1900. Monographs on education in the United States. . . . .

For education in special countries, see also **378** University education; **379** State education.

American college. 370.973 5 370.973 Educational directories

60187 American college & private school directory. . . . . A complete list of the colleges and private schools in the United States, with data concerning each institution. Compiled and edited by Harry J. Myers. . . . . Chicago, New York, American Educational Association, [1907].

1907. 22cm.

American college. 370.973 1

14078 American college and public school directory. . . . . St. Louis, Mo., C. H. Evans & Co., [1898–].

Vol. 21, 1898; continued from vol. 26, 1903. 21½cm.

Patterson's college. 370.97 1

62015 Patterson's college and school directory of the United States and Canada . . . . Chicago, American Educational Co., 1904–.

Continued from vol. 1, 1904. 22cm.

Compiled by Homer L. Patterson.

371 METHODS AND MANAGEMENT

Baldwin, Joseph. 371 P700

6108 School management and school methods. xix,395 p. il. D. (International education series, vol. 40.) New York: D. Appleton & Co., 1897.

Barnett, Percy Arthur. 371 Q001

23569 Common sense in education and teaching. An introduction to practice. Second edition. ix,[3],321 p. D. London: Longmans, Green, & Co., 1900.

Contents: 1. Instruction as discipline. 2. The discipline of character. 3. The physical basis of education. 4. The genesis of curricula. 5. The manipulation of curricula. 6. Audible speech. 7. Literature and formal linguistic study. 8. Latin and Greek. 9. Mathematics and physical science. 10. Geography and history. 11. Warnings from history. 12. The making of the teacher.

Caird, John. 042 C12

18108 University addresses: being addresses on subjects of academic study delivered to the University of Glasgow. [Edited by Edward Caird.] x,383 p. O. Glasgow: J. MacLehose & Son, 1898.

Contents: The unity of the sciences. The progressiveness of the sciences. Erasmus. Galileo. The scientific character of Bacon. David Hume. Bishop Butler and his theology. The study of history. The science of history. The study of art. The progressiveness of art. The art of public speaking. The personal element in teaching. General and professional education.

371 Methods and management

Chancellor, William Estabrook, 1867– **371 Q802**

65784 Our city schools, their direction and management, by William Estabrook Chancellor . . . . Boston, D. C. Heath & Co., 1908.

xvi, 338 p. incl. forms. 20cm.

"Bibliography," p. 334.

Chancellor, William Estabrook. **379.1 Q400**

64989 Our schools; their administration and supervision, by William Estabrook Chancellor . . . . Boston, D. C. Heath & Co., 1904.

xiii, 434 p. 19½cm.

McMurry, Charles Alexander, 1857– **371.4 Q300**

65010 The elements of general method, based on the principles of Herbart, by Charles A. McMurray, ... New edition, revised aud enlarged. New York, London, The Macmillan Company, 1903.

[8], 331 p. 19cm.

Contents. — The chief aim of education. — Relative value of studies. — Interest. — Correlation. — Induction. — Apperception. — The will. — Herbart and his disciples.

McMurry, Charles Alexander, 1857– **371.32 Q300**

50189 The method of the recitation, by Charles A. McMurry . . . and Frank M. McMurry . . . . New York, London, The Macmillan Company, 1903.

xi, 339 p. 19cm.

Perry, Arthur Cecil, 1873– **371 Q800**

65324 The management of a city school, by Arthur C. Perry, jr. . . . . New York, The Macmillan Company, 1908.

viii, [2], 350 p. 20cm.

371.42 Manual training

Ashbee, Charles Robert. **707 A819**

17000 A few chapters in workshop re-construction and citizenship, by C. R. Ashbee, ... London, Guild and School of Handicraft, 1894.

165, [1] p. 23cm.

Contents. — 1. Some definitions towards an ideal. — 2. On the need for the cultivation of the sense of beauty and the questionable wisdom of looking for this from the British middle class. — 3. How can we "run" art at our polytechnics. — 4. Decorative art from a workshop point of view. — 5. An industrial dialogue between Mr. Archibald Pushington, M. P., and Mr. Thomas Trudge. — 6. The honest endeavour of Timothy Thumbs, teacher and humanist. — 7. On the higher aspects of technical education and the elementary teacher. — 8. On the teaching of design and its bearing on workshop re-construction. — 9. University Extension and the workshop — a problem and a policy. — 10. The policy developed towards workshop reconstruction. — 11. The relation of the architect towards workshop reconstruction. — 12. On the possibility of a metropolitan school of architecture. — 13. Where is the builder of ideas? — 14. The art and technical instructor of to-day and the little citizen of the future. — 15. On Jack's initiation into the citizenship.

Salomon, Otto. 371.42 P400 371.42 Manual training

8519 The theory of educational sloyd. The only authorised edition of the lectures of Otto Salomon. Revised and edited for English and American students by an inspector of schools. Together with a résumé of the history of manual training, and a biography of Herr Salomon. Second edition. xii,150 p. 1 pl. 1 por. D. London: G. Philip & Son, [1894].

Selden, Frank Henry. 371.42 Q600

63578 Elementary woodwork for use in manual training classes, by Frank Henry Selden .... Chicago, New York, Rand, McNally & Co., [c1906].
[4], ii, 3–206 p. front., illus. 18cm.

Woodward, Calvin Milton. 375.6 P001

4987 Manual training in education. viii,310 p. il. D. [Contemporary science series.] London: W. Scott, 1896.

Hughes, James Laughlin. 371.46 P700 371.46 Froebel's system

7868 Froebel's educational laws for all teachers. xiii,296 p. D. (International education series.) New York: D. Appleton & Co., 1897.

Posse, Nils. 371.73 P001 371.73 Educational gymnastics

278 The Swedish system of educational gymnastics. Second edition, enlarged. [10],284 p. 264 il. O. Boston: Lee & Shepard, 1891.

372 PRIMARY EDUCATION. CHILD STUDY

Parker, Francis Wayland. 372 O300

7717 Talks on teaching. Reported by Lelia E. Patridge. Fifteenth edition. .... 181 p. D. (Kellogg's teachers' library, vol. 3.) New York: E. L. Kellogg & Co., 1896.

Smith, Nora Archibald. 372 P802

16533 The children of the future. [6],165 p. D. Boston: Houghton, Mifflin & Co., 1898.

Warner, Francis. 372 P703

17795 The study of children and their school training. xix,264 p. 19 il. D. New York: Macmillan Co., 1898.

See also **150.2** child study.

372.2 Kindergarten

Froebel, Friedrich. **372.2 M101**

21851 Friedrich Froebel's Education by development. The second part of the Pedagogics of the kindergarten. Translated by Josephine Jarvis. xxvi,347 p. il. D. (International education series, vol. 44.) New York: D. Appleton & Co., 1899.

Froebel, Friedrich. **372.2 H600**

6136 The education of man. Translated from the German and annotated by W. N. Hailmann. xxv,332 p. D. (International education series, vol. 5.) New York: D. Appleton & Co., 1896, c. 1887.

Froebel, [Friedrich]. **372.2 O700**

5573 Froebel's letters on the kindergarten. Translated from the German edition of 1887 by Hermann Poesche. Edited and annotated by Emilie Michaelis and H. Keatley Moore. Authorized American edition. x,[2],331 p. D. Syracuse, N. Y.: C. W. Bardeen, 1896.

Froebel, Friedrich. **372.2 P502**

17891 The songs and music of Friedrich Froebel's Mother play (Mutter und Kose Lieder). Songs newly translated and furnished with new music. Prepared and arranged by Susan E. Blow. xv, 272 p. il. D. (International education series, vol. 32.) New York: D. Appleton & Co., 1898.

Harrison, Elizabeth. **372.2 P001**

12808 A study of child-nature from the kindergarten standpoint. Sixteenth edition. 207 p. D. [Chicago:] Chicago Kindergarten College, 1895, c. 1890.

Wiggin, Kate Douglas, **372.2 P500**

5131 [*born* **Smith,** *afterwards* **Riggs**], *&* **Smith, Nora Archibald.** Froebel's gifts. xi,[2],202 p. D. (Republic of childhood, vol. 1.) Boston: Houghton, Mifflin & Co., 1896.

Wiggin, Kate Douglas, **372.2 P600**

5132 [*born* **Smith,** *afterwards* **Riggs**], *&* **Smith, Nora Archibald.** Froebel's occupations. [4],313 p. D. (Republic of childhood, vol. 2.) Boston: Houghton, Mifflin & Co., 1897.

372.3 Elementary science teaching

Cannell, [Alice] Elizabeth Maud, & Wise, Margaret E. **372.3 P704**

12108 Outlines for kindergarten and primary classes in the study of nature and related subjects. Arranged by months. 162 p. D. New York: E. L. Kellogg & Co., c. 1897.

Howe, Edward Gardnier. **372.3 P500**

6101 Systematic science teaching. A manual of inductive elementary work .... [2 vol.] il. D. (International education series, vol. 27 and 48.) New York: D. Appleton & Co., 1895–1900.

[Vol. 2] published under the title: Advanced elementary science, being part II of Systematic science teaching

Jackman, Wilbur Samuel. **372.3 P600** 372.3 Elementary science teaching

2942 Nature study and related subjects, for the common schools. . . . . 2 parts. Chicago: by the author, c. 1896.

Part 1 in F; part 2 in D.

Part 1 has shelf-mark **L372.3 P600.**

McMurry, Charles Alexander, 1857– **372.3 Q402**

64988 Special method in elementary science for the common school, by Charles A. McMurry, ... New York, London, The Macmillan Company, 1904.

ix, 275 p. 19½cm.

"Bibliography," p. 252–275.

Hinsdale, Burke Aaron. **372.6 P600** 372.6 Language lessons.

6124 Teaching the language-arts: speech, reading, composition. xxv, 205 p. D. (International education series, vol. 34.) New York: D. Appleton & Co., 1896.

Contains a bibliography.

McLellan, James Alexander, & Dewey, John. **510.7 P500** 372.7 Elementary arithmetic

9096 The psychology of number and its applications to methods of teaching arithmetic. xiv,[2],309 p. D. (International education series, vol. 33.) New York: D. Appleton & Co., 1897.

373-379 OTHER EDUCATIONAL TOPICS

McMurry, Charles Alexander, 1857– **375 Q600** 375 Curriculum

65011 Course of study in the eight grades . . . by Charles A. McMurry, ... New York, London, The Macmillan Company, 1906.

2 vol. 19½cm.

Contents. — vol. 1. Grades I to IV. vii, 236 p. — vol. 2. Grades V to VIII. v, 226 p.

New England History Teachers' Association. **375.9 Q400**

50162 A history syllabus for secondary schools, outlining the four years' course in history recommended by the Committee of Seven of the American Historical Association, by a special committee of the New England History Teachers' Association, Herbert Darling Foster, chairman . . . . Boston, D. C. Heath & Co., 1904.

375 p. 19cm.

Contains bibliographies.

Contents. — pt. 1. Ancient history to 800 A. D. — pt. 2. Mediæval and modern European history, 800–1900 A. D. — pt. 3. English history to 1900 A. D. — pt. 4. American history and civil government to 1904 A. D.

For special subjects, see class number of subject, form division 07.

376 Education of women

Lange, Helene. 376.941

3302 Higher education of women in Europe. Translated and accompanied by comparative statistics by L. R. Klemm. xxxvi,186 p. il. D. (International education series, vol. 16.) New York: D. Appleton & Co., 1890.

377.2 Ethical education

Adler, Felix. 377.2 P200

6106 The moral instruction of children. xiii,270 p. D. (International education series, vol. 21.) New York: D. Appleton & Co., 1895.

378 University education

Minerva. 378 1

1748 Minerva. Jahrbuch der gelehrten Welt. . . . . Continued from vol. 1. 1891–92. por. S. Strassburg 1892–.

Vol. 1–5 edited by R. Kukula and K. Trübner; vol. 6–7, by K. Trübner; vol. 8–9, by K. Trübner and F. Mentz; vol. 10–, by K. Trübner.

Vol. 1 published under the title: Minerva. Jahrbuch der Universitäten der Welt.

378.43 German universities

Paulsen, Friedrich, 1846– 378.43 21

61925 The German universities and university study, by Friedrich Paulsen ... authorized translation by Frank Thilly ... and William W. Elwang. New York, C. Scribner's Sons, 1906.

[2], v–xvi, [2], 451 p. 23cm.

"Bibliography", p. 437–441.

378.73 American universities

Gilman, Daniel Coit. 378.737

16494 University problems in the United States. [8],319 p. O. New York: Century Co., 1898.

Contents: The Johns Hopkins University in its beginning. The utility of universities. The characteristics of a university. The Sheffield Scientific School of Yale University, New Haven. The University of California in its infancy. Knowledge and charity. Modern progress in medicine. University libraries. The Teachers College of Columbia University. Washington and Lee University. Higher education in the United States. The proposals for a national university in Washington.

Thwing, Charles Franklin. 378.736

14651 The American college in American life. iv,[2],313 p. O. New York: G. P. Putnam's Sons, 1897.

Thwing, Charles Franklin, 1853– 378.73 15

65325 A history of higher education in America, by Charles F. Thwing . . . New York, D. Appleton and Co., 1906.

xiii, 501 p. 21½cm

379 State education

Bardeen, Charles William. 379.7471

5122 A manual of common school law. [New edition, enlarged and rewritten.] 276 p. D. Syracuse: C. W. Bardeen, 1896.

Greenough, James Carruthers, 1829– 379.42 15

64990 . . . . The evolution of the elementary schools of Great Britain, by James C. Greenough . . . . New York, D. Appleton and Co., 1903.

xxxii, 265 p. 18½cm. (International education series, [vol. lvi].)

Seeley, Levi. 379.43 1

10751 The common-school system of Germany and its lessons to America. 251 p. D. (Kellogg's pedagogical library.) New York: E. L. Kellogg & Co., 1896.

380 COMMERCE AND COMMUNICATION

Colange, Leo de. **L603 O001**

5381 The American encyclopedia of commerce, manufactures, commercial law, and finance: . . . . 2 vol. paged continuously; vol. 1: vii,1–622 p.; vol. 2: [2],623–1141 p. 502 il. Q. Boston: Estes & Lauriat; vol. 1.: pref. 1881, vol. 2: c. 1880.

Farrer, Thomas Henry Farrer, *1st baron,* 1819–1899. **380.2 Q200**

64991 The state in its relation to trade. By T. H. Farrer, with supplementary chapter by Sir Robert Giffen . . . . London, New York, Macmillan and Co., ltd., 1902.
xi, 208 p. 19½cm.

Bureau of the American Republics. **L603 P700**

7543 Commercial nomenclature. Published by recommendation of the International American Conference. August 1897. iii,670 p. F. Washington 1897.

Bureau of the American Republics. **L603 P703**

18231 Nomenclatura comercial. Publicada por especial recomendación de la Conferencia internacional. Abril de 1897. iii,645 p. F. Washington 1897.

Bartholomew, John George, *ed.* **L380.9 Q700** **380.2 Commercial geography**

66957 Atlas of the world's commerce; a new series of maps with descriptive text and diagrams showing products, imports, exports, commercial conditions and economic statistics of the countries of the world. Compiled from the latest official returns at the Edinburgh Geographical Institute and edited by J. G. Bartholomew, ... London, G. Newnes, ltd., [1907].
lvi, viii (*i.e.* xii), 42, 176 p. incl. maps, table, diagr. 39cm.
Published in 22 pts., 1906–1907.

Chisholm, George Goudie. **380.2 Q300**

50285 Handbook of commercial geography, by Geo. G. Chisholm . . . . Fourth corrected edition, revised throughout and greatly extended. London, New York and Bombay, Longmans, Green, and Co., 1903.
xlvi, 639 p. incl. maps, charts. maps. 22½cm.

Gannett, Henry, 1846– **380.9 Q500**

62006 Commercial geography, by Henry Gannett . . . Carl L. Garrison . . . and Edwin J. Houston . . . . New York, Cincinnati, [etc.], American Book Company, [c1905].
vi, 415, 30 p. illus. (incl. maps) 21cm.

380.5 Commercial yearbooks

British trade year-book. **L380.52 6**

62022 The British trade year-book, ... covering the twenty-five years, 1880/1904– and showing the course of trade .... With ... tables, each containing several sections of British or of international trade ... diagrams, and various abstract tables. London, J. Murray, 1905–.

Continued from vol. 1, 1905. diagrs. 26cm.

1905– by J. H. Schooling.

Financial review. **L380.51 14**

16332 The Financial review. Finance, commerce, railroads. New York, W. B. Dana Company, c1877–.

1877, 1883–1885, 1889–1890, 1892–1897; continued from 1905. illus. 32½cm.

With this, 1884–1897: The Investors' supplement of the Commercial and financial chronicle, for December, January or March; 1905–: Railway and industrial section of the Commercial and financial chronicle.

Subtitle varies slightly.

380.9 Economic crises

Burton, Theodore Elijah, 1851– **380.9 Q200**

65012 Financial crises and periods of industrial and commercial depression, by Theodore E. Burton .... New York, D. Appleton and Co., 1902.

ix, 392 p. illus., 1 fold. diagr. 19cm.

"Bibliography" by Hugh Williams, p. 347–377.

Jones, Edward David. **380.9 Q001**

26997 Economic crises. v,251 p. D. (Citizen's library of economics, politics, and sociology.) New York: Macmillan Co., 1900.

"Bibliography," p. 225–245.

380.9 History of commerce

Chile. **L380.983 20**

60584 Chile of to-day; its commerce, its production and its resources. National yearly publication of reference .... By Adolfo Ortúzar, ... New York, the author, 1907.

Vol. 1, 1907/8. 27½cm.

Conant, Charles Arthur. **332.1 P602**

19091 A history of modern banks of issue. With an account of the economic crises of the present century. Third edition. xv, 595 p. O. New York: G. P. Putnam's Sons, 1897.

Cunningham, William, 1849– **330.942 P600**

62032 The growth of English industry and commerce .... By W. Cunningham .... Cambridge, University Press, 1896–1903.

3 vol. 23cm.

Vol. 2–3 paged continuously; vol. 2: xxviii, 608 p.; vol. 3: xii, [609]–1039 p.

Vol. 1: third edition; vol. 2–3 first published in 1882.

"List of authorities," [vol. 1], p. [651]–673; "Bibliographical index," [vol. 3], p. 943–998.

Contents. — [vol. 1.] Early and middle ages. 1896. xv, [1], 714 p. — [vol. 2–3.] Modern times. 1903. 2 vol.

Day, Clive, 1871– 380.9 Q701 380.9 History of commerce

84998 A history of commerce, by Clive Day .... New York, [etc.], Longmans, Green, and Co., 1907.

xliv, 626 p. illus., 4 maps (1 fold.). 21cm. (*Half-title:* Longmans' commercial text-books.)

"Bibliography" at end of most of the chapters.

"Authorities," p. 579–622.

Gibbins, Henry de Beltgens. 380.94 P100

12744 The history of commerce in Europe. Second edition. viii,233 p. 9 maps. D. [Elementary commercial class-books.] London: Macmillan & Co., 1897.

Philadelphia Commercial Museum. L380.98 Q600

64992 Foreign commercial guide. South America. Edited by Edward James Cattell assisted by H. S. Morrison and A. C. Kauffman. [Philadelphia], The Philadelphia Commercial Museum, c1906

[2], 284, 22 p. incl. maps. 31½cm.

Yeats, John. 609 Q700

19802 Technical, industrial, and trade education. The technical history of commerce; or, The progress of the useful arts. .... Third edition, revised and much enlarged. xxviii,527 p. 1 map in pocket. D. London: G. Philip & Son, [1887?]

Bastable, Charles Francis, 1855– 382 P200 382 Foreign commerce

10314 The commerce of nations, by C. F. Bastable, ... London, Methuen & Co., 1892.

viii, 216 p. 18cm. (*Half-title:* Social questions of to-day. [Vol. 5.])

Bastable, Charles Francis. 382 Q002

27421 The theory of international trade. With some of its applications to economic policy. Third edition, revised. xii,192 p. D. London: Macmillan & Co., 1900.

Haines, Henry Stevens. 385.973 Q706 385 Railroad economics

61700 Railway corporations as public servants, by Henry S. Haines ... New York, London, The Macmillan Company, 1907.

ix, 233 p. 20½cm.

"This work contains the substance of a course of lectures delivered in May, 1907, at the Boston University School of Law. It is, to some extent, supplementary to a previous work on 'Restrictive railway legislation,' as it describes the development of such legislation since the passage of the act to regulate interstate commerce." — Pref.

Johnson, Emory Richard, 1864– 656.0973 Q401

61946 American railway transportation, by Emory R. Johnson .... Revised edition. New York, D. Appleton and Co., 1904.

xvi, 434 p. illus., maps, fold. chart. 20cm. (*Half-title:* Appletons' business series.)

References at end of chapters.

Contents. — Introduction: Definition and scope of transportation. — pt. 1. The American railway system. — pt. 2. The railway service. — pt. 3. The railways and the public. — pt. 4. The railways and the state.

385 Railroad economics

Merritt, Albert Newton, 1878– 385.973 Q704

60617 Federal regulation of railway rates by Albert N. Merritt. Boston and New York, Houghton, Mifflin and Co., 1907.

xii p., 1 l., 240 p., 1 l. 21cm. (*Half-title:* Hart, Schaffner & Marx prize essays. IV.)

Ripley, William Zebina, 1867– , *ed.* 385.973 Q700

61938 Railway problems; edited with an introduction, by William Z. Ripley . . . . Boston, New York, [etc.], Ginn & Co., [c1907].

xxxii, 686 p. incl. tables. maps, chart. 21½cm. (*Half-title:* Selections and documents in economics, edited by William Z. Ripley.)

Snyder, Carl. 385.973 Q702

65013 American railways as investments; a detailed and comparative analysis of all the leading railways, from the investor's point of view; with an introductory chapter on the methods of estimating railway values, by Carl Snyder. New York, The Moody Corporation; [etc., etc.], 1907.

762 p. incl. tables. 1 fold. map. 24cm.

See also 656 Railroad transportation.

386 Waterways

Jeans, James Stephen. 626 P001

11412 Waterways and water transport in different countries: with a description of the Panama, Suez, Manchester, Nicaraguan, and other canals. xx,507 p. il. 4 pl. O. London: E. & F. N. Spon, 1890.

387 Ocean and river transportation

Johnson, Emory Richard, 1864– 387 Q600

61930 Ocean and inland water transportation, by Emory R. Johnson . . . . New York, D. Appleton and Co., 1906.

xxii, 395 p. illus., fold. map, forms. 20cm. (*Half-title:* Appleton's business series.)

"References for further reading" at end of most of the chapters.

Marvin, Winthrop Lippitt. 387 Q201

64993 The American merchant marine; its history and romance, from 1620 to 1902, by Winthrop L. Marvin. New York, C. Scribner's Sons, 1902.

xvi, [2], 444 p. 21½cm.

See also 656.9 Navigation.

388 City transportation

American street railway. L656.0973 3

12573 American street railway investments. Published annually by the
a publishers of the Electric railway journal for the use of bankers, brokers, capitalists, investors, and street and interurban railway companies. New York, McGraw Publishing Company, c1894–.

Continued from vol. 1, 1894. illus., maps. 33½cm.

Subtitle varies.

Published as supplement to The Electric railway journal (formerly The Street railway journal).

Norton, Samuel Wilber. 388.9773 Q702 388 City transportation
66382 Chicago traction; a history, legislative and political, by Samuel Wilber Norton .... Chicago, 1907.
240 p. front., ports. 20cm.

See also 625.5 Street railways.

Clark, Latimer. 389 P100 389 Weights and measures
13981 A dictionary of metric and other useful measures. 113 p. D. London: E. & F. N. Spon, 1891.

Clarke, Frank Wigglesworth, 1847– , *comp.* 389 N500
61973 Weights, measures, and money, of all nations. Compiled by W. F. Clarke .... New York D. Appleton & Co., 1900.
117 p. 19cm.

Ridgeway, William. 389 P200
7545 The origin of metallic currency and weight standards. xii,417 p. 60 il. O. Cambridge: University Press, 1892.

Thurston, Robert Henry. 389 O300
12287 Conversion tables of metric and British or United States weights and measures. With an introduction. 83,xii p. O. New York: J. Wiley & Sons, 1883.

Woolhouse, Wesley Stoker Barker. 389 P001
65014 Measures, weights, & moneys of all nations, and an analysis of the Christian, Hebrew, and Mahometan calendars; by W. S. B. Woolhouse ... Seventh edition, carefully revised and enlarged. London, C. Lockwood and Son, 1890.
viii, 242 p. incl. tables. 17½cm. (*On cover:* Weale's scientific & technical series.)

390
MANNERS AND CUSTOMS
Folklore

Starr, Frederick. 571.02 P502
16215 Some first steps in human progress. 305 p. 33 il. 1 pl. D. (Chautauqua Reading Circle literature.) Meadville, Penna.: Flood & Vincent, 1895.

Sumner, William Graham, 1840– 390.2 Q600
64994 Folkways; a study of the sociological importance of usages, manners, customs, mores, and morals, by William Graham Sumner .... Boston, Ginn & Co., 1907.
v, 692 p. 21½cm.
"List of books cited," p. 655–670.

390 Manners and customs

Walsh, William Shepard. **390.3 P800**

12483 Curiosities of popular customs and of rites, ceremonies, observances, and miscellaneous antiquities. 1018 p. il. 3 pl. O. Philadelphia: J. B. Lippincott Co., 1898.

390.937 Roman customs

Johnston, Harold Whetstone, 1859– **390.937 Q300**

50192 . . . . The private life of the Romans, by Harold Whetstone Johnston . . . . Chicago, Scott, Foresman and Co., 1903.

344 p. illus. 20cm. (The Lake classical series.)

Reference books: p. 17–20. References at head of chapters.

390.942 English customs

Brand, John, 1744–1806. **390.942 K100**

61971 Observations on the popular antiquities of Great Britain: chiefly illustrating the origin of our vulgar and provincial customs, ceremonies, and superstitions. By John Brand ... Arranged, revised, and greatly enlarged, by Sir Henry Ellis . . . . London, G. Bell and Sons, 1900–1902.

3 vol. fronts. (vol. 1, 2.) 19cm. (*Half-title:* Bohn's antiquarian library.)

Vol. 1, "A new edition, with further additions," 1902; vol. 2, 1900; vol. 3, 1901.

Brand, [John], 1744–1806. **390.942 Q400**

46133 Brand's Popular antiquities of Great Britain. Faiths and folklore. A dictionary of national beliefs, superstitions and popular customs, past and current, with their classical and foreign analogues, described and illustrated. Forming a new edition of "The popular antiquities of Great Britain" by Brand and Ellis, largely extended, corrected, brought down to the present time, and now first alphabetically arranged. By W. Carew Hazlitt. In two volumes— . . . . London, Reeves & Turner; New York, C. Scribner's Sons, 1905.

2 vol. fronts. 23cm.

Paged continuously; vol. 1: x, [1]–334 p.; vol. 2: [2], [335]–672 p.

The present work made its first appearance under the auspices of the Rev. Henry Bourne in 1725, under the title of Antiquitates vulgares. A more complete edition, by Brand, was brought out in 1777. The latter collected a large amount of additional material which was published in 1813 under the editorship of Sir Henry Ellis. *cf.* Pref.

Chambers, Robert, *1802–1871.* **L808 C35**

34986 The book of days. A miscellany of popular antiquities in connection with the calendar including anecdote, biography, & history, curiosities of literature and oddities of human life and character. 2 vol. il. Q. Edinburgh: W. & R. Chambers, 1863–1864.

392 Family relations

Bosanquet, Helen (Dendy) "*Mrs.* Bernard Bosanquet." **392 Q600**

64531 The family, by Helen Bosanquet. London, New York, Macmillan and Co., ltd., 1906.

vii, 344 p. 23½cm.

Contents. — Preface. — pt. I. The family history. — pt. II. The modern family.

Keezer, Frank, 1866– **347.6 Q600** 392 Family relations

64984 The law of marriage and divorce, giving the law in all the states and territories with approved forms, by Frank Keezer .... Boston, W. J. Nagel, 1906.

xvii, 609 p. 23½cm.

Morgan, Lewis Henry. **309.3 N700**

15365 Ancient society; or, Researches in the lines of human progress from savagery through barbarism to civilization. xvi,560 p. O. New York: H. Holt & Co., 1878.

Westermarck, Edward. **392.5 P100**

214 The history of human marriage. xix,[1],644 p. O. London: Macmillan & Co., 1891.

Holt, Emily. **395 Q100** 395 Etiquette

28538 Encyclopædia of etiquette. What to write, what to wear, what to do, what to say. A book of manners for everyday use. [6], 442 p. 9 pl. O. New York: McClure, Phillips & Co., 1901.

Laughlin, Clara Elizabeth, 1873– , *ed.* **640.2 Q600**

62385 The complete hostess; edited by Clara E. Laughlin. New York, D. Appleton and Co., 1906.

xiii, 321 p. front., 15 pl. 19½cm.

Contents. — Informal entertaining in the home, by C. E. Laughlin and P. Leonard. — Formal entertaining in the home, by C. E. Laughlin and P. Leonard. — Outdoor entertainments, by P. Leonard. — Children's parties, by E. K. Marble. — Entertainments for young people from twelve to seventeen years of age, by E. K. Marble. — Weddings, by C. E. Laughlin. — Wedding anniversaries, by E. K. Marble. — Cotillions and fancy-dress parties for adults and older young people, by S. C. Rippey. — Church entertainments, by Mrs. J. F. Kirk, jr. — Large public entertainments, by E. Kendall. — Entertaining congresses, federated clubs, etc., by P. Leonard. — Clubs, by P. Leonard. — Hostess and guest, by C. E. Laughlin and E. K. Marble. — School exhibitions and exercises, by Mrs. J. F. Kirk, jr. — Calls, cards, invitations, etc., by P. Leonard.

Cadbury, Edward. **331.4 Q600** 396 Woman

59174 Women's work and wages. A phase of life in an industrial city. By Edward Cadbury, M. Cécile Matheson and George Shann, ... Illustrated. Chicago, The University of Chicago Press, 1907.

368 p. incl. tables. front., 1 pl., 1 facsim. 20cm.

The "industrial city" is Birmingham, England.

Campbell, *Mrs.* **Helen** (Stuart), 1839– **331.4 P300**

50232 Women wage-earners: their past, their present and their future. By Helen Campbell ... With an introduction by Richard T. Ely. Boston, Roberts Brothers, 1893.

xii, [7]–313 p. 19cm.

"Authorities," p. [291]–293.

Bibliography of woman's labor and of the woman question, p. [294]–303.

396 Woman

Cromwell, John Howard. 658 P900

23424 The American business woman. A guide for the investment, preservation, and accumulation of property; containing full explanations and illustrations of all necessary methods of business. xii,[2],428 p. O. New York: G. P. Putnam's Sons, 1900.

Higginson, Thomas Wentworth. 396.04 H53

11421 Common sense about women. Fourth (stereotyped) edition. 270 p. D. [Social science series, vol. 20.] London: Swan Sonnenschein & Co., 1897.

Mason, Otis Tufton. 309.1 P400

6746 Woman's share in primitive culture. xiii,295 p. il. 18 pl. D. [Anthropological series.] New York: D. Appleton & Co., 1894.

Mill, John Stuart. 304 M59

847 On liberty. The subjection of women. [2],394 p. O. New York: H. Holt & Co., 1873.

Miller, Fred. 704 M61

11413 The training of a craftsman. Illustrated by many workers in the art crafts. x,249 p. 161 il. O. New York: Truslove & Comba, 1898.

Contents: 1. The craftsman and nature. 2. Design and craftsmanship. 3. Metal work. Repoussé and fine metal-work. Wrought iron. 4. Jewellery. 5. Enamelling on metal. 6. Potters and painters. 7. Glass painters. 8. Wood carvers. 9. Bookbinders. 10. Women workers in the art crafts. 11. Surface decoration. 12. Decoration in relief. 13. Wall-papers and textiles. 14. The craftsman up-to-date and his outlook.

Ostrogorskiĭ, Moiseĭ Iakovlevich, *1854–.* 396.2 P300

10982 The rights of women. A comparative study in history and legislation. Translated under the author's supervision. xv,232 p. D. [Social science series, vol. 68.] London: Swan Sonnenschein & Co., 1893.

U. S. A. *Department of Commerce and Labor.* L396.5 Q002

64995 *Bureau of the Census.*

. . . . Statistics of women at work, based on unpublished information derived from the schedules of the Twelfth census: 1900. Washington, Gov't Print. Off., 1907.

399 p. 30cm.

At head of title: Department of Commerce and Labor. Bureau of the Census. S. N. D. North, director.

Binder's title begins: Special reports of the Census Office.

"Prepared under the supervision of Dr. Joseph A. Hill, chief of the Division of Revision and Results."

U. S. A. *Laws, statutes, etc.* 331.007 Q700

64670 . . . . Laws relating to the employment of women and children in the United States. July, 1907. Washington, Gov't Print. Off., 1907.

150 p. 25cm.

At head of title: Department of Commerce and Labor. Bureau of Labor.

Blake, John Frederick. 520.93 N700 398 Folklore

8743 Astronomical myths, based on Flammarion's "History of the heavens." xvi,431 p. il. 6 pl. O. London: Macmillan & Co., 1877.

Brinton, Daniel Garrison. 398.1 B77

5575 The myths of the new world. A treatise on the symbolism and mythology of the red race of America. Third edition, revised. 360 p. O. Philadelphia: D. McKay, 1896.

Chamberlain, Alexander Francis. 398.3 C35

7771 The child and childhood in folk-thought. (The child in primitive culture.) x,464 p. O. New York: Macmillan & Co., 1896.
"Bibliography," p. 405-434.

Clodd, Edward. 291 O500

9927 Myths and dreams. Second edition, revised. x,251 p. D. London: Chatto & Windus, 1891.

Gould, Sabine Baring-, 1834- 398.2 G73

28776 Curious myths of the Middle Ages. By S. Baring-Gould, ... New impression. London, New York, [etc.], Longmans, Green, and Co., 1901.
x, 660 p. incl. front., illus., plates. 1 pl. 19cm.

Hartland, Edwin Sidney. 398.4 H25

13719 The science of fairy tales. An inquiry into fairy mythology. viii,372 p. D. [Contemporary science series, vol. 11.] London: W. Scott, 1891.
"Bibliographical list of some of the works referred to", p. 353-365.

Hulme, Frederic Edward. 398.35 H871

17064 Myth-land. viii,243 p. il. D. London: Sampson Low, ... , & Rivington, 1886.

See also **390** Manners and Customs.

Christy, Robert. 398.9 C46 398.9 Proverbs

15404 Proverbs, maxims and phrases of all ages. Classified subjectively and arranged alphabetically. 2 vol. O. New York: G. P. Putnam's Sons, 1893.

Oman, Charles [William Chadwick]. L355.09 P800 399 Customs of war

17780 A history of the art of war. The Middle Ages from the fourth to the fourteenth century. xv,667 p. 7 pl. 17 maps. O. London: Methuen & Co., 1898.

400 LANGUAGE

Lefèvre, André. 402 L52

4177 Race and language. vi,424 p. D. (International scientific series, vol. 72.) New York: D. Appleton & Co., 1894.

Müller, Friedrich Max. 402 M91

2265 The science of language. Founded on lectures delivered at the Royal Institution in 1861 and 1863. 2 vol. D. London: Longmans, Green, & Co., 1891.

Müller, Friedrich Max. 401 M91

10769 The science of thought. 2 vol. paged continuously; vol. 1: xxii, 1–326 p.; vol. 2: vii,327–656 p. D. New York: C. Scribner's Sons, 1887.

Contents: Vol. 1. 1. The constituent elements of thought. 2. Thought and language. 3. On Kant's philosophy. 4. Language the barrier between man and beast. 5. The constituent elements of language. 6. On the origin of concepts and roots. Vol. 2. 7. The roots of Sanskrit. 8. Formation of words. 9. Propositions and syllogisms. 10. Conclusion.

Sayce, Archibald Henry. 402 S274

2264 Introduction to the science of language. Third edition. 2 vol. D. London: Kegan Paul, ... , & Co., 1890.

Whitney, William Dwight. 402 W611

641 The life and growth of language: an outline of linguistic science. vii,[2],326 p. D. (International scientific series, vol. 16.) New York: D. Appleton & Co., 1882.

408.9 Esperanto

Baker, Arthur. 408.9 B17

65337 The American Esperanto book; a compendium of the international language Esperanto, compiled and edited by Arthur Baker ... . Chicago, C. H. Kerr & Co., 1907.

186, 130 p. 17½cm.

409 History of language

Paul, Hermann. 409 P28

2266 Principles of the history of language. Translated from the second edition of the original by H. A. Strong. New and revised edition (1890). xlviii,511 p. O. London: Longmans, Green, & Co., 1891.

Strong, Herbert Augustus, Logeman, Willem S., & Wheeler, Benjamin Ide. 409 S923

2039 Introduction to the study of the history of language. x,[2],435 p. O. London: Longmans, Green, & Co., 1891.

413 Polyglot dictionaries

Deinhardt, Kurt. 603 Q601

52843 Illustriertes technisches Wörterbuch in sechs Sprachen: Deutsch, Englisch, Französisch, Russisch, Italienisch, Spanisch. Nach besonderer Methode bearbeitet von K. Deinhardt und A. Schlomann, ... München und Berlin, R. Oldenbourg, 1906–.

Vol. 1–. illus. 18cm.

Bureau of the American Republics. L603 P703 413 Polyglot dictionaries

18231 Nomenclatura comercial. Publicada por especial recomendación de la Conferencia internacional. Abril de 1897. iii,645 p. F. Washington 1897.

Kürschner, Joseph, 1853–1902, *ed.* 413 K96

40886 Fünf-Sprachen-Lexikon (Deutsch-Englisch-Französisch-Italienisch-Lateinisch). Herausgegeben von Joseph Kürschner; mit einem fünfsprachigen Lexikon geographischer und Personennamen, einer Sammlung geflügelter Worte, Sentenzen etc., einer Abhandlung über Geschichte und Eigenart der Sprachen, Verzeichnissen der in den verschiedenen Sprachen gebräuchlichen Abkürzungen sowie einem Fremdwörterbuche und Briefsteller. Zweite verbesserte Auflage. Berlin [etc.], H. Hillger, [1900].

iv p. 3322, xii col. 23½ x 17cm.

Four columns to a page.

The xii columns are divided between the front and back of book, including the second and third page of cover.

Technologisches Wörterbuch. 603 O600

1343 Technologisches Wörterbuch. Deutsch-Englisch-Französisch. .... Mit einem Vorwort von weil. Karl Karmarsch. Vierte verbesserte und ... vermehrte Auflage. 3 vol. O. Wiesbaden: J. F. Bergmann, 1887–1891.

Contents: Vol. 1. Deutsch-Englisch-Französisch. .... Herausgegeben von Dr. Ernst Röhrig. xii,879,[1] p. 1887. Vol. 2. English-German-French. .... Published by C. Dill, E. von. Hoyer and E. Röhrig. xii,909 p. 1891. Vol. 3. Français-allemand-anglais. .... Publié par Ernest Röhrig. Troisième édition, revue, corrigée et considérablement augmentee. [10],783,[1] p. 1887.

Contains also terms relating to the natural sciences.

Tolhausen, Alexander. 603 P705

25085 Technological dictionary in the English, German & French languages, ... , revised by Louis Tolhausen. .... Leipzig, B. Tauchnitz, 1897–1898.

3 vol. 18cm.

Contents.—[vol. 1.] Français-allemand-anglais. Quatrième édition, augmentée d'un grand supplément. xii, 809, [2], 165 p. 1898. — [vol. 2.] English-German-French. Fourth edition, with a large supplement. xiv, 837, [2], 117 p. 1897. — [vol. 3.] Deutsch-Englisch-Französisch. Dritte Stereotypauflage. xii, 948 p. 1897.

———. Grand supplement .... Leipzig, 1901–1902.

3 vol. 18cm.

Contents. — [vol 1.] Français-allemand-anglais. Quatrième édition. [2], 197 p. 1901.—[vol. 2.] English-German-French. Fourth edition. [2], 189 p. 1902.—[vol. 3.] Deutsch-Englisch-Französisch. [2], 67 p. 1902.

Scripture, Edward Wheeler, 1864– 414 S434 414 Phonetics

50288 The elements of experimental phonetics, by Edward Wheeler Scripture .... New York, C. Scribner's Sons; London, E. Arnold, 1902.

xvi, [2], 627 p. illus., xxvi diagr. 23cm. (*Half-title:* Yale bicentennial publications.)

References at end of chapters.

414 Phonetics

Sweet, Henry, 1845– 414 S9741

39671 . . . . A primer of phonetics, by Henry Sweet, M.A., ... Second edition, revised. Oxford, Clarendon Press, 1902.
viii, 119 p. 17½cm. (Clarendon Press series.)

420 ENGLISH LANGUAGE

Carpenter, George Rice, 1863– 420.7 C22

64996 . . . . The teaching of English in the elementary and the secondary school, by George R. Carpenter, A.B. and Franklin T. Baker . . . and Fred N. Scott . . . . New York, London, [etc.], Longmans, Green, and Co., 1903.
viii, 380, [2] p. 20½cm. (American teachers series.)
Contains bibliographies.

Lounsbury, Thomas Raynesford. 420.9 L93

1767 History of the English language. Revised and enlarged edition. xiv,505 p. 2 maps. D. New York: H. Holt & Co., 1894.

Marsh, George Perkins. 420.9 M35

1756 The origin and history of the English language and of the early literature it embodies. Revised edition. xv,574 p. O. New York: C. Scribner's Sons, 1892.

White, Richard Grant. 420.2 W58

21713 Every-day English. A sequel to "Words and their uses." xxxi, 512 p. D. Boston: Houghton, Mifflin & Co., 1897, c. 1880.

421.9 Punctuation

Smith, Adèle Millicent. 655.2 Q200

65480 Proof-reading and punctuation, by Adèle Millicent Smith . . . . Philadelphia, The author, 1902.
[2], xi, 181 p. front., 9 pl. 20cm.

Teall, Francis Horace, 1850– 421.9 T22

18005 Punctuation, with chapters on hyphenization, capitalization, and spelling, by F. Horace Teall . . . New York, D. Appleton & Co., 1898 [c1897]
vii, 193 p. 16cm.

Wilson, John, *1802–1868.* 421.9 W69

21044 A treatise on English punctuation; designed for letter-writers, authors, printers, and correctors of the press; and for the use of schools . . . . With an appendix, containing rules on the use of capitals, a list of abbreviations, hints on the preparation of copy and on proof-reading, ... Thirty-first edition. xii,334 p. D. New York: American Book Co., [1899], c. 1871.

422 Etymology

Skeat, Walter William. 422 S627

2043 Principles of English etymology. First series: The native element. Second and revised edition. xxxiv,[2],547 p. O. (Clarendon Press series.) Oxford: Clarendon Press, 1892.

Skeat, Walter William. 422 S6271 422 English etymology

2044 Principles of English etymology. Second series: The foreign element. xxxi, 505 p. O. (Clarendon Press series.) Oxford: Clarendon Press, 1891.

White, Richard Grant. 422 W58

1760 Words and their uses, past and present. A study of the English language. Twenty-seventh edition, revised and corrected. [2], vii,467 p. D. Boston: Houghton, Mifflin & Co., c. 1870.

Century dictionary. L031 0900 423 Dictionaries

418 The Century dictionary. An encyclopedic lexicon of the English language. Prepared under the superintendence of William Dwight Whitney .... New York, The Century Co., [c1889–1891].

6 vol. in 24. 33cm.

Fennell, Charles Augustus Maude. L423 F36

2160 The Stanford dictionary of anglicised words and phrases. Edited for the Syndics of the University Press. xv,[1],826 p. sq. Q. Cambridge: University Press, 1892.

March, Francis Andrew, 1825– L423 M33

42109 A thesaurus dictionary of the English language, designed to suggest immediately any desired word needed to express exactly a given idea. A dictionary, synonyms, antonyms, idioms, foreign phrases, pronunciations, a copious correlation of words, prepared under the supervision of Francis Andrew March ... and Francis Andrew March, jr. .... Philadelphia, Historical Publishing Company, [c1902].

[2], xvi, 1189, [3] p. front. (port.) illus., 8 pl. (partly col.) 28 x 21cm.
Each plate has guard-sheet with descriptive letter-press.

Murray, James Augustus Henry, *editor.* L423 M96

4427 A new English dictionary on historical principles; founded mainly on the materials collected by the Philological Society. .... Continued from vol. 1. sq. F4. Oxford: Clarendon Press, 1884–.

Ogilvie, John, *LL.D.* L423 O34

2306 The imperial dictionary of the English language: a complete encyclopedic lexicon, literary, scientific, and technological. New edition, ... revised and ... augmented. Edited by Charles Annandale. 4 vol. il. Q. London: Blackie & Son, [1882–1883].

Skeat, Walter William. L423 S627

1777 An etymological dictionary of the English language. Second edition. xxxii,844 p. sq.Q. Oxford: Clarendon Press, 1893.

423 English dictionaries

Standard dictionary. L423 S7851

50206 A standard dictionary of the English language . . . . A new edition, revised and enlarged, prepared by more than two hundred specialists and other scholars under the supervision of Isaac K. Funk ... editor-in-chief ... also Abridged cyclopedia with atlas of the world . . . . New York and London, Funk & Wagnalls Company, 1904.

[2], xx, 2441, xxi–xxiv, [4], xxv–cxl p. illus., plates (partly col.) ports., maps, tables. 32cm.

The atlas has separate paging and special t.-p.: A standard atlas of the world ... also a condensed cyclopedia. A universal calendar follows this.

Stormonth, James. L423 S885

2457 A dictionary of the English language, pronouncing, etymological, and explanatory, embracing scientific and other terms, numerous familiar terms, and a copious selection of old English words. The pronunciation revised by the Rev. P. H. Phelp, with supplement by William Bayne. New edition. xvi,1288 p. Q. Edinburgh: W. Blackwood & Sons, 1895.

Webster, [Noah]. 423 W391

17979 Webster's academic dictionary. A dictionary of the English language, giving the derivations, pronunciations, definitions and synonyms of a large vocabulary of the words in common use, with an appendix containing various useful tables. Abridged from Webster's international dictionary. xxxii,704 p. il. O. New York: American Book Co., c. 1895.

Webster, [Noah]. L423 W392

27338 Webster's international dictionary of the English language. Being the authentic edition of Webster's unabridged dictionary, comprising the issues of 1864, 1879, and 1884 (new edition ...) thoroughly revised and much enlarged under the supervision of Noah Porter, with a voluminous appendix. To which is now added a supplement of twenty-five thousand words and phrases. W. T. Harris, editor in chief. cvi,2011,238 p. il. 8 p. of pl. 1 por. F. Springfield, Mass.: G. & C. Merriam Co., 1900.

Worcester, Joseph Emerson. L423 W89

15969 . . . . A dictionary of the English language. With supplement . . . . And an appendix . . . . lxxii,2168 p. il. 27 pl. 6 pl. of por. 1 por. sq.Q. Philadelphia: J. B. Lippincott Co., 1897, c. 1886.

For German-English, French-English, Italian-English dictionaries, &c., see **430–490.**

423.1 Idioms

Halliwell-[Phillipps], James Orchard. 423.1 H15

2465 A dictionary of archaic and provincial words, obsolete phrases, proverbs, and ancient customs from the fourteenth century. Eleventh edition. 2 vol. O. London: Reeves & Turner, 1889.

Crabb, George, 1778–1851. **424 C841** 424 Synonyms

67501 English synonymes explained in alphabetical order with copious illustrations and examples drawn from the best writers, to which is now added an index to the words; by George Crabb . . . . New edition with additions and corrections . . . . New York and London, Harper & Brothers, [1904].
856 p. 20½cm.

Davidson, William L. **424 D28**

6918 Leading and important English words: explained and exemplified. . . . . [Second edition.] viii,225 p. S. London: Longmans, Green, & Co., 1896.

Fallows, Samuel. **424 F19**

22546 A complete dictionary of synonyms and antonyms, or, Synonyms and words of opposite meaning. With an appendix embracing a dictionary of Briticisms, Americanisms, colloquial phrases, . . . ; a list of homonyms and homophonous words; . . . . 512 p. D. Chicago: F. H. Revell Co., c. 1898.

Fernald, James Champlin. **424 F39**

5704 English synonyms and antonyms. With notes on the correct use of prepositions. . . . . x,[2],564 p. O. (Standard educational series.) New York: Funk & Wagnalls Co., 1897.

Roget, Peter Mark. **424 R63**

2041 Thesaurus of English words and phrases, classified and arranged so as to facilitate the expression of ideas and assist in literary composition. Enlarged and improved, partly from the author's notes, . . . , by John Lewis Roget. New edition. xliv,[2],670 p. O. London: Longmans, Green, & Co., 1894.

Smith, Charles John, *M.A.* **424 S644**

2335 Synonyms discriminated. A dictionary of synonymous words in the English language, illustrated with quotations from standard writers. With the author's latest corrections and additions. Edited by the Rev. H. Percy Smith. Eighth edition. vi,781 p. O. London: G. Bell & Sons, 1895.

Soule, Richard. **424 S7221**

29202 A dictionary of English synonymes and synonymous or parallel expressions, designed as a practical guide to aptness and variety of phraseology. New edition, revised and enlarged by George H. Howison. vi,[2],488 p. O. London: F. Warne & Co., 1901.

Abbott, Edwin Abbott. **425 A131** 455 Grammar

1765 How to parse. An attempt to apply the principles of scholarship to English grammar. With appendixes on analysis, spelling, and punctuation. xxxi,343 p. S. Boston: Roberts Brothers, 1892.

455 English grammar

Carpenter, George Rice. 425 C22

11965 Principles of English grammar. For the use of schools. x,254 p. D. New York: Macmillan Co., 1898.

Fernald, James Champlin, 1838– 425.2 F39

50169 Connectives of English speech; the correct usage of prepositions, conjunctions, relative pronouns and adverbs explained and illustrated, by James C. Fernald .... New York and London, Funk & Wagnalls Company, 1904.

xi, 324 p. 20cm.

Morris, Richard. 425.1 M83

2110 Historical outlines of English accidence, comprising chapters on the history and development of the language, and on word-formation. Revised by L. Kellner, with the assistance of Henry Bradley. xiii,[3],463 p. D. London: Macmillan & Co., 1895.

Sweet, Henry. 425 S974

2066 A new English grammar, logical and historical. .... 2 vol. D. (Clarendon Press series.) Oxford: Clarendon Press, 1892–1898.

Contents: Vol. 1. Introduction, phonology, and accidence. xxiv,499 p. 1892. Vol. 2. Syntax. ix,137 p. 1898.

Whitney, William Dwight. 425 W61

1766 Essentials of English grammar. .... xi,260,16 p. D. Boston: Ginn & Co., 1889, c. 1877.

427 Dialects. Slang

Barrère, Albert, & Leland, Charles Godfrey, *editors.* 427 B27

8085 A dictionary of slang, jargon & cant. Embracing English, American, and Anglo-Indian slang, pidgin English, gypsies' jargon and other irregular phraseology. 2 vol. O. London: G. Bell & Sons, 1897.

Bartlett, John Russell. 427.95 B28

1762 Dictionary of Americanisms: a glossary of words and phrases usually regarded as peculiar to the United States. Fourth edition, ... improved and enlarged. xlvi,[2],813 p. O. Boston: Little, Brown, & Co., 1896, c. 1877.

English dialect dictionary. L427 W93

13857 The English dialect dictionary, being the complete vocabulary of all dialect words still in use, or known to have been in use during the last two hundred years. Founded on the publications of the English Dialect Society and on a large amount of material never before printed. Edited by Joseph Wright, ... Vol. 1–[VI]. .... London, Oxford, H. Frowde; New York, G. P. Putnam's Sons, 1898–1905.

6 vol. 31 x 24cm.

"Bibliography," vol. 6, 62 p.

———. The English dialect grammar, comprising the dialects of England, ... and of those parts of Scotland, Ireland and Wales where English is habitually spoken. .... Oxford, London, 1905.

x, 187 p. 31 x 24cm.

With The English dialect dictionary, vol. 6.

Maitland, James. L427.95 M28 427 English dialects. Slang

53350 The American slang dictionary, by James Maitland. Embodying all American and English slang phrases in current use, with their derivation and philology. Chicago, [R. J. Kittredge & Co.], 1891.

308 p. 25½ x 18½cm.

"Two hundred and fifty copies issued. No. 148."

[Osmun, Thomas Embly.] 428.3 083 428.3 Errors of speech

7710 The verbalist. A manual devoted to brief discussions of the right and the wrong use of words and to some other matters of interest to those who would speak and write with propriety. By Alfred Ayres. New and revised edition, much enlarged. vi,337 p. S. New York: D. Appleton & Co., 1896.

Alfred Ayres is pseudonym of Thomas Embly Osmun.

430
GERMAN

Heyne, Moriz. L433 H51

2191 Deutsches Wörterbuch. 3 vol. Q. Leipzig: S. Hirzel, 1890–1895.

Heyse, Johann Christian August. 433 H515

30684 Dr. Joh. Christ. Aug. Heyses Allgemeines verdeutschendes und erklärendes Fremdwörterbuch mit Bezeichnung der Aussprache und Betonung der Wörter nebst genauer Angabe ihrer Abstammung und Bildung. Siebzehnte einzig rechtmässige Original-Ausgabe. Unter Berücksichtigung der amtlichen Erlasse über Verdeutschung der Fremdwörter neu bearbeitet, vielfach berichtigt und vermehrt von Dr. Otto Lyon. xii,907,[1] p. O. Hannover: Hahn'sche Buchhandlung, 1893.

Kluge, Friedrich. 433 K71

2141 Etymologisches Wörterbuch der deutschen Sprache. Fünfte verbesserte Auflage. xxvi,491 p. Q. Strassburg: K. J. Trübner, 1894.

Flügel, Felix. L433.2 F67 433.2 German-English dictionaries

2337 Allgemeines englisch-deutsches und deutsch-englisches Wörterbuch. Zweiter ... vermehrter Abdruck der vierten ... Auflage von Dr. J. G. Flügel's Vollständigem Wörterbuch der englischen und deutschen Sprache. 2 vol. in 3. Q. Braunschweig: G. Westermann, 1894.

433.2 German-English dictionaries

Grieb, Christoph Friedrich. L433.2 G87

40881 Chr. Fr. Grieb's Dictionary of the English and German languages. Tenth edition; re-arranged, revised, and enlarged, with special regard to pronunciation and etymology, by Arnold Schröer PH.D. . . . . In two volumes. . . . . Stuttgart, P. Neff, [pref. 1894–1901].

2 vol. 27cm.

Added t.-p. in German.

Contents. — Vol. 1. English and German. [1894]. xxxiii, 1356, [2] p. — Vol. 2. German and English. [1901]. xxii, 1192, [2] p.

Muret, Eduard. L433.2 M94

9781 Encyklopädisches englisch-deutsches und deutsch-englisches Wörterbuch. Ein Parallelwerk zu Sachs-Villatte's französisch-deutschem und deutsch-französischem Wörterbuche. Mit Angabe der Aussprache nach dem phonetischen System der Methode Toussaint-Langenscheidt. . . . . Grosse Ausgabe. 2 vol. in 3. il. Q. Berlin: Langenscheidtsche Verlagsbuchhandlung, 1891–[1901].

Vol. 2 is by Daniel Sanders, Immanuel Schmidt and Cornelis Stoffel.

Has also English title-page.

Schmidt, Immanuel, & Tanger, G. L433.2 S3511

6646 Flügel - Schmidt - Tanger, A dictionary of the English and German languages for home and school. With special reference to Dr. Felix Flügel's Universal English-German and German-English dictionary. Second edition. 2 vol. Q. New-York: Lemcke & Buechner, 1897.

For German-French dictionaries, see **443**.

434 Synonyms

Eberhard, Johann August. 434 E16

5305 Johann August Eberhards synonymisches Handwörterbuch der deutschen Sprache. Fünfzehnte Auflage. Nach der von Friedrich Rückert besorgten 12. Ausgabe durchgängig umgearbeitet, vermehrt und verbessert von Dr. Otto Lyon. Mit Ubersetzung der Wörter in die englische, französische, italienische und russische Sprache . . . . [2],xliv,1011 p. O. Leipzig: T. Grieben, 1896.

435 Grammar

Behaghel, Otto. 435 B39

2035 A short historical grammar of the German language, translated and adapted from Professor Behaghel's "Deutsche Sprache", by Emil Trechmann. viii,194 p. D. London: Macmillan & Co., 1891.

Whitney, William Dwight. **435 W61** 435 German grammar

1770 A compendious German grammar. Sixth edition, ... revised and with new exercises. xii,472 p. D. New York: H. Holt & Co., c. 1888.

439
DUTCH — SCANDINAVIAN

Ten Bruggencate, K. **439.332 T25** 439-3 Dutch-English dictionaries

3001 Engelsch woordenboek. 2 vol. O. Groningen: J. B. Wolters, 1895–1896.

Vol. 1. Engelsch-Nederlandsch; vol. 2. Nederlandsch-Engelsch.

Calisch, Isaac Marcus, 1808–1884. **439.332 C13**

61940 New complete dictionary of the English and Dutch languages ... by I. M. Calisch .... Second edition, revised by N. S. Calisch .... Tiel, H. C. A. Campagne & zoon, [pref. 1890–1892].

2 vol. 24cm.
Added t.-p. in Dutch.
Contents. — [vol. 1.] Dutch-English. — [vol. 2.] English-Dutch.

Björkman, C. G. **439.732 B55** 439.7 Swedish-English dictionaries

3107 Svensk-engelsk ordbok. .... [6],1360 p. O. Stockholm: P. A. Norstedt & Söner, c. 1889.

Wenström, Edmund, & Lindgren, Erik. **439.732 W52**

3000 Engelsk-svensk ordbog. .... [6],1758 p. O. Stockholm: P. A. Norstedt & Söner, 1889.

Geelmuyden, Ivar Christian Sommerschild, 1819–1875. **439.832 G27** 439.8 Norwegian-English dictionaries

50289 .... Engelsk-norsk ordbog. Fjerde udgave ved H. Eitrem. Kristiania, Det Norske aktieforlag, 1901.

[8], 731 p. 21cm.
At head of title: I. Geelmuyden.

Larsen, Anton. **439.832 L32**

3320 Dansk-norsk-engelsk Ordbog. Anden forögede og omarbeidede Udgave. viii,695 p. O. Kjöbenhavn: Gyldendalske Boghandel, 1888.

Olson, Julius Emil. **439.85 O45** 439.85 Norwegian grammar

14716 Norwegian grammar and reader. With notes and vocabulary. x,330 p. O. Chicago: Scott, Foresman & Co., 1898.

440
FRENCH

Brachet, Auguste. 443.2 B72

2040 An etymological dictionary of the French language. . . . . Translated by G. W. Kitchin. Third edition. xii,cxxviii,407 p. D. (Clarendon Press series.) Oxford: Clarendon Press, 1882.

With an introduction on French etymology and phonetics.

Deshumbert, Marius. 443.2 D45

2229 Deshumbert's dictionary of difficulties met with in reading, writing, translating, and speaking French. Fifth edition. vii,[1],132 p. D. London: D. Nutt, 1894.

Hatzfeld, Adolphe, & Darmesteter, Arsène. L443 H28

18726 Dictionnaire générale de la langue française du commencement du XVIIe siècle jusqu'à nos jours. Précédé d'un traité de la formation de la langue . . . . Par MM. Adolphe Hatzfeld et Arsène Darmesteter avec le concours de M. Antoine Thomas. [2 vol.] Q. Paris: C. Delagrave, [1890–1900].

Littré, Émile. L443 L73

1202 Dictionnaire de la langue française. Contenant . . . nomenclature: . . . grammaire: . . . signification des mots: . . . partie historique: . . . étymologie: . . . . 4 vol. sq. F. Paris: Hachette & c^ie, 1882.

Vol. 2, p. 1569–1592, missing.

Scheler, Auguste. L443 S322

2458 Dictionnaire d'étymologie française d'après les résultats de la science moderne. Troisième édition revue et augmentée. x, [2],526,[2] p. Q. Bruxelles: T. Falk, 1888.

443.2 French-English dictionaries

Hamilton, Henry, & Legros, E. L443.2 H18

3002 Dictionnaire international français-anglais. . . . . Nouvelle édition. . . . . [6],903 p. Q. Paris: A. Fouraut, 1896.

James, W. 443.2 J23

37107 Dictionary of the English and French languages by W. James and A. Molé. Sixteenth, entirely new and modern edition, completely rewritten and greatly enlarged by Louis Tolhausen . . . and George Payn, assisted by E. Heymann . . . Leipzig, B. Tauchnitz, 1902.

x, 564, 663 p. 19½^cm.
Has also title-page in French.

Smith, Leon, & Hamilton, H. L443.2 H181

3003 The international English and French dictionary. . . . . New edition. . . . . [6],798 p. Q. Paris: A. Fouraut, 1896.

Spiers, Alexandre, 1807–1869. **443.2 S755** 443.2 French-English dictionaries

14656 Dictionnaire général anglais-français [et français-anglais]. Nouvellement rédigé d'après Johnson, Webster, Richardson, etc., les dictionnaires français de l'Académie, de Laveaux, de Boiste, de Bescherelle, etc., ... par A. Spiers, ... Vingt-huitième édition. Paris, Baudry, 1882.

2 vol. 24½cm.

——— ———. Supplément renfermant un grand nombre de termes usuels et littéraires nouveaux, des termes scientifiques et techniques les plus récents, et des néologismes de tous genres et contenant la rectification de quelques données du dictionnaire et l'addition de sens nouveaux. Par Victor Spiers ... . Paris, G. Mesnil-Dramard, [1905].

2 pts. in 1 vol. 27cm.
Cover-title.

Villatte, Césaire, & Sachs, Karl. **L443.3 V71** 443.3 French-German dictionaries

1320 Encyklopädisches französisch-deutsches und deutsch-französisches Wörterbuch, ... 2 vol. Q. Berlin: Langenscheidtsche Verlags-Buchhandlung, 1894–1895.

———Französisch-deutsches Supplement-Lexikon. ... . viii, 329 p. Q. Berlin: Langenscheidtsche Verlags-Buchhandlung, 1894.

Vol. 1: ninth edition; vol. 2: eighth edition.
The supplement is bound with vol. 1.
Each volume has also a title-page in French.

Lafaye, Benjamin. **444 L13** 444 Synonyms

3182 Dictionnaire des synonymes de la langue française: avec une introduction sur la théorie des synonymes. ... . Sixième édition, suivie d'un supplément. [4],lxxxiii,1106,iv,336 p. O. Paris: Hachette & Cie, 1893.

Brachet, Auguste. **445 B72** 445 Grammar

2063 A historical grammar of the French language, from the French of Auguste Brachet. Rewritten and enlarged by Paget Toynbee. xxii,[2],339 p. D. Oxford: Clarendon Press, 1896.

Otto, Emil. **445 O91**

13951 French conversation-grammar. Revised by Ferdinand Bôcher. With full vocabularies, by L. Pylodet. Third American edition. (The Bôcher-Otto French course.) 489 p. D. New York: H. Holt & Co., c. 1884.

450
ITALIAN

Davenport, John, & Comelati, Guglielmo. 453.2 D27

[489] A new dictionary of the Italian and English languages, based upon that of Baretti, and containing, ... ; a copious list of geographical and proper names, both ancient and modern. 2 vol. O. New York: D. Appleton & Co., 1855.

Grandgent, Charles Hall. 455 G76

[16063] Italian grammar. Third edition, revised and enlarged. vii,132 p. D. (Heath's modern language series.) Boston, U. S. A: D. C. Heath & Co., 1898, c. 1887.

460–469
SPANISH—PORTUGUESE

Velázquez de la Cadena, Mariano. L463.2 V541

[28316] A new pronouncing dictionary of the Spanish and English languages. Revised and enlarged by Edward Gray and Juan L. Iribas. .... 2 vol. Q. New York: D. Appleton & Co., 1900–1902.

Vol. 2: Neuvo diccionario de pronunciación de las lenguas inglesa y española.

Velazquez de la Cadena, Mariano. L463.2 V54

[2291] A pronouncing dictionary of the Spanish and English languages: composed from the Spanish dictionaries of the Spanish Academy, Terreros, and Salvá. Upon the basis of Seoane's edition of Neuman and Baretti. .... 2 vol. Q. London: Hirschfeld Bros., 1893, c. 1852.

Vol. 2 has title-page in Spanish.

Edgren, August Hjalmar, 1840–1903. 465 E231

[42452] A brief Spanish grammar with historical introductions and exercises, by A. Hjalmar Edgren, PH.D. .... Boston, U. S. A., D. C. Heath & Co., 1901.

vii, 165 p. 18½cm.
Original copyright, 1891.

Knapp, William Ireland. 465 K72

[1757] A grammar of the modern Spanish language as now written and spoken in the capital of Spain. Second edition, ... revised by the author. x,488 p. D. Boston: Ginn & Co., 1896, c. 1882.

469 Portuguese

Michaelis, Henriette. 469.32 M58

[2302] A new dictionary of the Portuguese and English languages, enriched by a great number of technical terms used in commerce and industry, in the arts and sciences, and including a great variety of expressions from the language of daily life. Based on a manuscript of Julius Cornet. .... 2 vol. O. Leipzig: F. A. Brockhaus, 1893.

470–480
LATIN AND GREEK

Lewis, Charlton Thomas, & Short, Charles. L473.2 L58 473.2 Latin-English dictionaries
1314 A Latin dictionary founded on Andrews' edition of Freund's Latin dictionary revised, enlarged and in great part rewritten. xiv, 2019 p. Q. Oxford: Clarendon Press, 1896.

Smith, *Sir* William, *L.L.D.*, & Hall, Theophilus D. 473.2 S664
14322 A copious and critical English-Latin dictionary. Fifth edition. xi,[1],963,[1] p. O. London: J. Murray, 1888.

Allen, Joseph Henry, & Greenough, James Bradstreet. 475 A427 475 Latin grammar
2011 Allen and Greenough's Latin grammar, ... , founded on comparative grammar. Revised and enlarged by James Bradstreet Greenough, assisted by George L. Kittredge. xii,488 p. D. Boston, U. S. A.: Ginn & Co., 1895, c. 1888.

Bennett, Charles Edwin. 475 B43
23097 A Latin grammar. Complete edition. With appendix for teachers and advanced students. x,272,xiv,232 p. D. Boston: Allyn & Bacon, c. 1895.

Harkness, Albert. 475 H25
26754 A complete Latin grammar. xiv,[2],448 p. D. New York: American Book Co., c. 1898.

Mure, William. 880.9 M94 480 Greek language
17131 A critical history of the language and literature of antient Greece. Second edition. 5 vol. map. O. London: Longman, ... , & Longmans, 1854–1859.
Vol. 5 is in first edition.

Liddell, Henry George, & Scott, Robert. L483.2 L61 483.2 Greek-English dictionaries
1312 A Greek-English lexicon. Seventh edition, revised and augmented .... xvi,1776 p. F. Oxford: Clarendon Press, 1890.

Yonge, Charles Duke. 483.2 Y8
5743 An English-Greek lexicon. Abridged from the larger work. New edition. [4],481 p. D. London: Longmans, Green, & Co., 1893.

Goodwin, William Watson. 485 G631 485 Greek grammar
27505 A Greek grammar. Revised and enlarged. xxxvi,451 p. D. Boston: Ginn & Co., 1900, c. 1892.

500 PHYSICAL SCIENCES

501 Philosophy of science

Flint, Robert, 1838– **112 Q400**

61991 Philosophy as scientia scientiarum, and A history of classifications of the sciences; by Robert Flint .... Edinburgh and London, W. Blackwood and Sons, 1904.

x, 340 p. 23½cm.

Jevons, William Stanley. **160.2 N301**

2854 The principles of science: a treatise on logic and scientific method. Second edition, revised. xliv,786 p. 1 il. D. London: Macmillan & Co., 1877.

Pearson, Karl. **110.2 Q002**

28903 The grammar of science. Second edition, revised and enlarged. xviii,548 p. 33 il. O. London: A. & C. Black, 1900.

"Literature" follows each chapter.

Poincaré, Henri *i.e.* **Jules Henri,** 1854– **501 Q308**

64997 Science and hypothesis, by H. Poincaré .... With a preface by J. Larmor .... London and Newcastle-on-Tyne, The Walter Scott Publishing Co., ltd., 1905.

xxvii, 244 p. 19½cm.

Translated by W. J. G.

Contents. — 1. Number and magnitude. — 2. Space. — 3. Force. — 4. Nature.

U. S. A. *Library of Congress.* **L025.4 U5852**

61932 .... Classification. Class Q: Science. Preliminary, July 1, 1905. Washington, Gov't Print. Off., 1905.

172 p. 26cm.

Prefatory note signed: J. David Thompson, in charge, Science Section.

Additions and corrections to May 1, 1906, p. 171–172.

502 Compends

Duncan, Robert Kennedy. **502 Q500**

64999 The new knowledge; a popular account of the new physics and the new chemistry in their relation to the new theory of matter, by Robert Kennedy Duncan .... New York, A. S. Barnes & Co., 1905.

xviii, [2], 263 p. 54 illus. incl. diagrs. 21cm.

Contents. — Current conceptions. — The periodic law. — Gaseous ions. — Natural radio-activity: a new property of matter. — The resolution of the atom. — Inorganic evolution. — The new knowledge and old problems.

Mill, Hugh Robert. **502 P200**

652 The realm of nature. An outline of physiography. xiii,366 p. 68 il. 19 maps. D. [University extension manuals.] New York: C. Scribner's Sons, 1892.

Goodchild, G F , *ed.* L603 Q603 503 Scientific dictionaries

67985 A technological and scientific dictionary. Edited by G. F. Goodchild ... and C. F. Tweney ... . London, G. Newnes, ltd.; Philadelphia, J. B. Lippincott Company, [1906].

viii, 875 p. illus., diagrs. 25cm.

Issued in 14 pts.

Lueger, Otto, *ed.* L603 Q401

44705 Lexikon der gesamten Technik und ihrer Hilfswissenschaften. Im Verein mit Fachgenossen herausgegeben von Otto Lueger. Mit zahlreichen Abbildungen. Zweite, vollständig neu bearbeitete Auflage. Stuttgart und Leipzig, Deutsche Verlags-Anstalt, [1904–].

Pt. 1–. illus. 28cm.

Rossiter, William. 503 O800

190 An illustrated dictionary of scientific terms. 350,[2] p. il. D. New York: G. P. Putnam's Sons, pref. 1878.

Technologisches Wörterbuch. 603 O600

1343 Technologisches Wörterbuch. Deutsch-Englisch-Französisch. .... Mit einem Vorwort von weil. Karl Karmarsch. Vierte verbesserte und ... vermehrte Auflage. 3 vol. O. Wiesbaden: J. F. Bergmann, 1887–1891.

Contents: Vol. 1. Deutsch-Englisch-Französisch. .... Herausgegeben von Dr. Ernst Röhrig. xii,879,[1] p. 1887. Vol. 2. English-German-French. .... Published by C. Dill, E. von. Hoyer and E. Röhrig. xii,909 p. 1891. Vol. 3. Français-allemand-anglais. .... Publié par Ernest Röhrig. Troisième édition, revue, corrigée et considérablement augmentee. [10],783,[1] p. 1887.

Contains also terms relating to the natural sciences.

Caird, John. 042 C12 504 Essays

18108 University addresses: being addresses on subjects of academic study delivered to the University of Glasgow. [Edited by Edward Caird.] x,383 p. O. Glasgow: J. MacLehose & Son, 1898.

Contents: The unity of the sciences. The progressiveness of the sciences. Erasmus. Galileo. The scientific character of Bacon. David Hume. Bishop Butler and his theology. The study of history. The science of history. The study of art. The progressiveness of art. The art of public speaking. The personal element in teaching. General and professional education.

Clifford, William Kingdon. 504 C61

3153 Lectures and essays. Edited by Leslie Stephen and Frederick Pollock, with an introduction by F. Pollock. 2 vol. il. por. O. London: Macmillan & Co., 1879.

Contents: Vol. 1. Introduction: Biographical. Selection from letters, etc. Bibliographical. — On some of the conditions of mental development. On theories of the physical forces. On the aims and instruments of scientific thought. Atoms. The first and last catastrophe. The unseen universe. The philosophy of the pure sciences. Vol. 2. Instruments used in measurement. Body and mind. On the nature of things-in-themselves. On the types of compound statement involving four classes. On the scientific basis of morals. Right and wrong: the scientific ground of their distinction. The ethics of belief. The ethics of religion. The influence upon morality of a decline in religious belief. Cosmic emotion. Virchow on the teaching of science.

504 Scientific essays

[Kelvin], William Thomson, [*1st Baron*]. 504 K29

12360 Popular lectures and addresses by Sir William Thomson. . . . . 3 vol. il. pl. D. (Nature series.) London: Macmillan & Co., 1891–1894.

Contents: Vol. 1. Constitution of matter. Vol. 2. Geology and general physics. Vol. 3. Navigational affairs.

Vol. 1 is in second edition, with additions and corrections.

506 Scientific societies

Becker, Bernard Henry. 062 4

12415 Scientific London. viii,340 p. D. New York: D. Appleton & Co., 1875.

507 Teaching of science

Howe, Edward Gardnier. 372.3 P500

3101 Systematic science teaching. A manual of inductive elementary work . . . . [2 vol.] il. D. (International education series, vol. 27 and 48.) New York: D. Appleton & Co., 1895–1900.

[Vol. 2] published under the title: Advanced elementary science, being part II of Systematic science teaching

509 History of science

Smith, Alexander, 1865– 507 Q200

67981 . . . . The teaching of chemistry and physics in the secondary schools, by Alexander Smith . . . and Edwin H. Hall . . . . New York, London, [etc.], Longmans, Green, and Co., 1902.

xiii, 377 p. illus., diagr. $20\frac{1}{2}$cm. (American teachers series.)

Contains short bibliographies.

Buckley, Arabella Burton, [*afterwards* Fisher]. 570.9 0800

6540 A short history of natural science and of the progress of discovery from the time of the Greeks to the present day. . . . . Fifth edition. xxix,509 p. 74 il. 1 table. D. London: E. Stanford, 1894.

Marmery, J. Villin. 509 P500

15787 Progress of science. Its origin, course, promoters, and results. With an introduction by Samuel Laing. xxxi,358 p. O. London: Chapman & Hall, 1895.

Nineteenth century. 031 Q101

29314 The 19th century; a review of progress during the past one hundred years in the chief departments of human activity. ix,494 p. O. New York: G. P. Putnam's Sons, 1901.

Progress of the century. 032 Q100

27963 The progress of the century. . . . . iii,[1],582,[2] p. O. New York: Harper & Brothers, 1901.

Contents: Wallace, A. R. Evolution. Ramsay, W. Chemistry. Petrie, W. M. F.-. Archaeology. Lockyer, Sir J. N. Astronomy. Caird, E. Philosophy. Osler, W. Medicine. Keen, W. W. Surgery. Thomson, E. Electricity. Mendenhall, T. C. Physics. Dilke, Sir C. W. War. Mahan, A. T. Naval ships. Lang, A. Literature. Clarke, T. C. Engineering. Religion: Gibbons, J., Cardinal. Catholicism. Allen, A. V. G. Protestantism. Gottheil, R. J. H. The Jews and Judaism. Smith, G. Freethought.

Routledge, Robert. 609 P902 409 History of science

25005 Discoveries and inventions of the nineteenth century. Thirteenth edition. Revised and partly re-written, with additions. xiv,[2], 820 p. il. 17 pl. O. London: G. Routledge & Sons, 1900.

Williams, Henry Smith. 509 Q001

28269 The story of nineteenth century science. vii,[3],474,[2] p. il. 12 pl. paged in, 2 pl. of por. paged in, 17 por. 16 paged in. O. New York: Harper & Bros., 1901.

Contents: 1. Science at the beginning of the century. 2. The century's progress in astronomy. 3. The century's progress in paleontology. 4. The century's progress in geology. 5. The century's progress in meteorology. 6. The century's progress in physics. The "Imponderables". 7. The ether and ponderable matter. 8. The century's progress in chemistry. 9. The century's progress in biology. Theories of organic evolution. 10. The century's progress in anatomy and physiology. 11. The century's progress in scientific medicine. 12. The century's progress in experimental psychology. 13. Some unsolved scientific problems: 1. Solar and telluric problems. 2. Physical problems. 3. Life problems.

Cattell, James McKeen, 1860– ·, *ed.* L509.2 C29 509.2 Biographies

63964 American men of science; a biographical directory, edited by J. McKeen Cattell. New York, The Science Press, 1906.

vii, 364 p. 26cm.

Poggendorff, Johann Christian, 1796–1877. L509.2 P75

11820 Biographisch-literarisches Handwörterbuch zur Geschichte der exacten Wissenschaften. Enthaltend Nachweisungen über Lebensverhältnisse und Leistungen von Mathematikern, Astronomen, Physikern, Chemikern, Mineralogen, Geologen usw. aller Völker und Zeiten gesammelt von J. C. Poggendorff . . . . Erster–[vierter] Band. Leipzig, J. A. Barth, 1863–1904.

4 vol. in 5. 26cm.

Vol. 3–4 title reads: J. C. Poggendorff's Biographisch-literarisches Handwörterbuch . . . .

Vol. 3: (1858 bis 1883.) Herausgegeben von Dr. B. W. Feddersen und Prof. Dr. A. J. von Oettingen; vol. 4: (Die Jahre 1883 bis zur Gegenwart umfassend.) Herausgegeben von Prof. Dr. Arthur von Oettingen.

Youmans, William Jay, *editor.* 509.2 Y8

5135 Pioneers of science in America. Sketches of their lives and scientific work. . . . . viii,508 p. 5 il. 49 por. O. New York: D. Appleton & Co., 1896.

Reprinted with additions from the *Popular Science Monthly.*

Grote, George. 185.1 G91

95 Aristotle. Edited by Alexander Bain and G. Croom Robertson. Third edition. xvi,681 p. O. London: J. Murray, 1883.

Brewster, *Sir* **David.** 509.262 B75

884 The life of Sir Isaac Newton. A new edition. Revised and edited by W. T. Lynn. xii,346 p. il. 1 por. D. London: W. Tegg & Co., 1875.

510 MATHEMATICS

510-1 Classification

Congrès international de bibliographie des sciences mathématiques. *Commission permanente du répertoire.* L025.4 C76
21047 Index du Répertoire bibliographique des sciences mathématiques, publié par la Commission permanente du répertoire. Deuxième édition. xiv,93,[2] p. Q. Paris: Gauthier-Villars & fils, 1898

510.2 Compends

Carr, G. S. L510.2 O002
18396 A synopsis of elementary results in pure mathematics: containing propositions, formulae, and methods of analysis, with abridged demonstrations. Supplemented by an index to the papers on pure mathematics which are to be found in the principal journals and transactions of learned societies, both English and foreign of the present century. xxxvi,[2],935 p. il. 20 pl. Q. London: F. Hodgson, 1886.

Merriman, Mansfield, & Woodward, Robert S., *editors.* 510.2 P600
6973 Higher mathematics. A text-book for classical and engineering colleges. First edition. . . . . xi,576 p. il. O. New York: J. Wiley & Sons, 1896.

Contents: 1. Merriman, M. The solution of equations. 2. Weld, L. G. Determinants. 3. Halsted, G. B. Projective geometry. 4. McMahon, J. Projected geometry. 5. Byerly, W. E. Harmonic functions. 6. Fiske, T. S. Functions of a commonplace variable. 7. Johnson, W. W. Differential equations. 8. Hyde, E. W. Grassmann's space analysis. 9. Macfarlane, A. Vector analysis and quaternions. 10. Woodward, R. S. Probability and theory of errors. 11. Smith, D. E. History of modern mathematics.

510.3 Dictionaries

Davies, Charles, & Peck, William G. 510.3 L500
862 Mathematical dictionary and cyclopedia of mathematical science. . . . . 592 p. il. O. New York: A. S. Barnes & Co., c. 1883.

510.4 Graphics

Turner, George Charles. 510.4 T85
63785 Graphics applied to arithmetic, mensuration and statics. By G. C. Turner, ... London, Macmillan, and Co., ltd., 1908.
viii, [2], 388 p. 316 diagr. 19cm.

510.7 Teaching

McLellan, James Alexander, & Dewey, John. 510.7 P500
9096 The psychology of number and its applications to methods of teaching arithmetic. xiv,[2],309 p. D. (International education series, vol. 33.) New York: D. Appleton & Co., 1897.

Young, Jacob William Albert, 1865– 510.7 Q600
60477 . . . . The teaching of mathematics in the elementary and the secondary school, by J. W. A. Young . . . . New York, London, [etc.], Longmans, Green, and Co., 1907.
xviii, 351 p. diagrs. 20½cm. (*Half-title:* American teachers series, edited by J. E. Russell.)
Series title also at head of t.-p.
Contains bibliographies, most of which are at beginning of chapters.

Ball, Walter William Rouse, 1851– **510.79 Q500** 510.79 Mathematical recreations

52509 Mathematical recreations and essays. By W. W. Rouse Ball .... Fourth edition. London, Macmillan and Co., ltd.; New York, The Macmillan Company, 1905.
xvi, 402 p. diagrs. 19½cm.
Advertisements, p. 389–402.

Newcomb, Simon. **510.83** 510.8 Logarithms

6975 Logarithmic and other mathematical tables, with examples of their use and hints on the art of computation. [4],ii,80,[2],104 p. O. (Newcomb's mathematical course.) New York: H. Holt & Co., c. 1882.

Vega, Georg *Freiherr* **von.** **510.849**

25590 Logarithmic tables of numbers and trigonometrical functions. Translated from the fortieth or Dr. Bremiker's thoroughly revised and enlarged edition, by W. L. F. Fischer. Stereotyped.—78. edition. xxviii,575 p. O. Berlin: Weidmanns, 1899.

Ball, Walter William Rouse. **510.9 P301** 510.9 History of mathematics

7708 A short account of the history of mathematics. Second edition. xxiv,520 p. il. D. London: Macmillan & Co., 1893.

McLellan, James Alexander, & Ames, A. F. **511 P700** 511 Arithmetic

8036 The public school arithmetic. Based on McLellan and Dewey's "Psychology of number." x,346 p. il. D. New York: Macmillan Co., 1897.

Wells, Horace Lemuel, 1855– **541.9 Q500**

65354 A text-book of chemical arithmetic, by Horace L. Wells .... First edition .... New York, J. Wiley & Sons; London, Chapman & Hall, ltd., 1905.
vii, 169 p. 19cm.

Wentworth, George Albert, & Hill, Thomas. **511 O100**

7726 A high school arithmetic. (Wentworth & Hill's practical arithmetic). .... xv,[1],362 p. il. D. Boston, U. S. A.: Ginn & Co., 1890, c. 1881.

Hanus, Paul H. **512.83 O600** 512 Algebra

12898 An elementary treatise on the theory of determinants. A textbook for colleges. viii,217 p. O. Boston: Ginn & Co., 1888.

Todhunter, Isaac. **512 P700**

7847 Algebra for beginners. With numerous examples. New edition, revised and enlarged by S. L. Loney. viii,428,xxxvi p. D. London: Macmillan & Co., 1897.

512 Algebra

Todhunter, Isaac. **512 N001**

19325 Algebra for the use of colleges and schools. . . . . New edition. x,608 p. D. London: Macmillan & Co., 1897.

——— Key . . . . [4],244 p. D London: Macmillan & Co., 1894.

Todhunter, Isaac. **512.82 O001**

19370 An elementary treatise on the theory of equations, with a collection of examples. vi,328 p. D. London: Macmillan & Co., 1895.

513 Geometry

Eukleides. **513 P905**

22213 The elements of Euclid. . . . . With notes, an appendix, and exercises by I. Todhunter. New edition, revised and enlarged, by S. L. Loney. viii,332,cxxxii p. il. D. London: Macmillan & Co., 1899.

Eukleides. **513 P702**

8627 Euclid: books I–IV. By Rupert Deakin. viii,309 p. il. D. (University tutorial series.) London: W. B. Clive, pref. 1897.

Evans, Thomas Jay, & Pullen, W. W. F. **513 P706**

9204 A treatise on practical plane and solid geometry. Containing solutions to the honours questions set at the examinations of the Science and Art Department (1887–1896) inclusive. vi,[2],400 p. il. O. London: Chapman & Hall, 1897.

Phillips, Andrew Wheeler, & Fisher, Irving. **513 P601**

6694 Elements of geometry. viii,540 p. il. O. (Phillips-Loomis mathematical series.) New York: Harper & Brothers, 1896.

513.5 Geometry of position

Reye, Theodor, 1838– **513.5 O601**

16135 Lectures on the geometry of position. By Theodor Reye . . . . Translated and edited by Thomas F. Holgate. Part I. New York, London, The Macmillan Company, 1898.

xix, 248 p. 82 diagrs. 23cm.

514 Trigonometry

Briggs, William, & Bryan, G. H. **514 P700**

8510 The tutorial trigonometry. viii,326 p. 140 il. D. (University tutorial series.) London: W. B. Clive, pref. 1897.

Hobson, Ernest William. **514 P100**

9657 A treatise on plane trigonometry. Second edition. xv,360 p. il. O. Cambridge: University Press, 1897.

Todhunter, Isaac. **514.5 N400**

19371 Plane trigonometry for the use of colleges and schools, ... vi, 341 p. il. D. London: Macmillan & Co., 1895.

Butterfill, Henry Holt-. 515 P700 515 Descriptive geometry

8513 First principles of mechanical and engineering drawing. A course of study adapted to the self-instruction of students and apprentices to mechanical engineering in all its branches ... . xii,211 p. 203 il. O. London: Chapman & Hall, 1897.

Moyer, James Ambrose. 515 Q501

65000 Descriptive geometry for students of engineering, by James Ambrose Moyer .... Second edition .... New York, J. Wiley & Sons; London, Chapman & Hall, ltd., 1905.

viii, 198 p. front., illus., diagrs. 13½cm.

Part of the pages are blank.

Spanton, J. Humphrey. 515.6 P800

18054 Complete perspective course. Comprising the elementary and advanced stages of perspective, the projection of shadows and reflections, with exercises in theory and practice, also the practical application of perspective. Designed to meet ... : the examinations of the Science and Art Department, South Kensington, and of the College of Preceptors; the Oxford and Cambridge local examinations .... xvii,282 p. 191 il. O. ["Britannia" science series.] London: Macmillan & Co., 1898.

Binder's title: Science and art drawing.

Warn, Reuben Henry. 671 P604

12314 The sheet-metal worker's instructor, comprising a selection of geometrical problems and practical rules for describing the various patterns required by zinc, sheet-iron, copper, and tin-plate workers. New edition, revised and greatly enlarged by Joseph G. Horner. vii,246 p. 429 il. D. London: C. Lockwood & Son, 1896.

Bailey, Frederick Harold, & Woods, Frederick S. 516 P700 516 Analytical geometry

7631 Plane and solid analytic geometry. xii,371 p. il. O. Boston, U. S. A.: Ginn & Co., 1897.

Lambert, Preston Albert. 516 P701

7802 Analytic geometry for technical schools and colleges. xi,216 p. 179 il. D. New York: Macmillan Co., 1897.

Loney, Sidney Luxton. 516 P500

6551 The elements of coordinate geometry. By S. L. Loney, M.A., ... Second edition, revised. London, New York, Macmillan & Co., 1896.

ix, 416, xiii p. diagrs. 18½cm.

516 Analytical geometry

Puckle, George Hale. 516.22 O400

20736 An elementary treatise on conic sections and algebraic geometry, with numerous examples and hints for their solution. Especially designed for the use of beginners. [New edition.] vi,[2],379 p. il. D. London: Macmillan & Co., 1892.

Scott, Charlotte Angas. 516.5 P400

11244 An introductory account of certain modern ideas and methods in plane analytical geometry. xii,288 p. 64 il. O. London: Macmillan & Co., 1894.

Smith, Charles. 516.22 O300

16883 An elementary treatise on conic sections. [Second edition, revised.] xi,352 p. il. D. London: Macmillan & Co., 1898.

516.8 Quaternions

Hathaway, Arthur Stafford. 516.8 P600

8551 A primer of quaternions. x,113 p. il. D. New York: Macmillan & Co., 1896.

Kelland, Philip, 1808–1879. 516.8 Q401

63577 Introduction to quaternions, by the late professors Philip Kelland ... and Peter Guthrie Tait .... Third edition. Prepared by C. G. Knott .... London, New York, Macmillan and Co., ltd., 1904.

xvii, 208 p. diagrs. 19cm

Tait, Peter Guthrie. 516.8 P001

6368 An elementary treatise on quaternions. Third edition, much enlarged. xxvii,422 p. il. O. Cambridge: University Press, 1890.

517 Calculus

Byerly, William Elwood. 517.2 N900

12038 Elements of the differential calculus, with examples and applications. A text book. xv,258 p. il. O. Boston, U. S. A.: Ginn & Co., 1895, c. 1879.

Byerly, William Elwood. 517.3 O800

12010 Elements of the integral calculus, with a key to the solution of differential equations, and A short table of integrals [compiled by B. O. Peirce.] Second edition, revised and enlarged. xvi, 339,[2],65–76,32 p. il. O. Boston, U. S. A.: Ginn & Co., 1895, c. 1888.

Gibson, George Alexander. 517.1 Q402

46931 An introduction to the calculus, based on graphical methods, by George A. Gibson, ... London, Macmillan and Co., ltd., 1904.

xiii, 225 p. 43 diagrs. 19cm.

Graham, John. 517.1 Q003

28899 An elementary treatise on the calculus for engineering students. With numerous examples and problems worked out. Second edition. xii,276 p. il. D. [Finsbury technical manuals.] London: E. & F. N. Spon, 1900.

Johnson, William Woolsey, 1841– **517.2 Q400** 517 Calculus

65338 An elementary treatise on the differential calculus, founded on the method of rates, by William Woolsey Johnson . . . . First edition . . . . New York, J. Wiley & Sons; London, Chapman & Hall, ltd., 1904.
xiv, 404 p. diagrs. 21cm.

Lamb, Horace. **517.1 P703**

11167 An elementary course of infinitesimal calculus. xx,616 p. 149 il. D. Cambridge: University Press, 1897.

Byerly, William Elwood, 1849– **517.35 P300** 517.35 Fourier's series

12016 An elementary treatise on Fourier's series and spherical, cylindrical, and ellipsoidal harmonics, with applications to problems in mathematical physics. By William Elwood Byerly, PH.D., ... Boston, U. S. A., Ginn & Co., 1895.
ix, 287 p. diagrs. 23½cm.

Forsyth, Andrew Russell, 1858– **517.38 Q300** 517.38 Differential equations

63571 A treatise on differential equations by Andrew Russell Forsyth . . . . Third edition. London, New York, Macmillan and Co., ltd., 1903.
xvi, 511 p. 23cm.
"General examples of differential equations," p. [485]–508.

Harkness, James, & Morley, F. **517.5 P800** 517.5 Theory of functions

20285 Introduction to the theory of analytic functions. xv,336 p. 74 il. O. London: Macmillan & Co., 1898.

Johnson, William Woolsey. **519 P200** 519 Theory of errors

10257 The theory of errors and method of least squares. First edition. . . . x,152,[22] p. 5 il. D. New York: J. Wiley & Sons, 1896.

520 ASTRONOMY

Ball, *Sir* Robert Stawell. **520.2 P601** 520.2 Compends

8315 Elements of astronomy. New edition, thoroughly revised. xiv, 469 p. 130 il. D. [Text-books of science.] Longmans, Green, & Co., 1896.

Chambers, George Frederick. **520.2 O900**

5265 A handbook of descriptive and practical astronomy. Fourth edition. 3 vol. il. pl. O. [Clarendon press series.] Oxford: Clarendon Press, 1889–1890.

Clerke, Agnes Mary, Fowler, A., & Gore, J. Ellard. **520.2 P700**

13720 The concise knowledge astronomy. xvi,581 p. il. 1 pl. O. [Concise knowledge library.] London: Hutchinson & Co., 1898.

520.2 Compends of Astronomy

Howe, Herbert Alonzo. **520.2 P600**

7637 A study of the sky. 340 p. 144 il. 1 pl. D. (Chautauqua Reading Circle Literature.) Meadville, Penna.: Flood & Vincent, 1896.

Todd, David Peck. **520.2 P901**

20015 Stars and telescopes. A hand-book of popular astronomy, founded on the 9th edition of Lynn's Celestial motions. xvi, 419 p. il. 7 pl. 4 gr. of por. 1 por. 3 maps, 1 table. D. Boston: Little, Brown, & Co., 1899.

Bibliographical references at the end of each chapter.

Young, Charles Augustus. **520.2 P800**

17773 A text-book of general astronomy for colleges and scientific schools. Revised edition. ix,630 p. 246 il. 1 pl. O. Boston: Ginn & Co., 1898.

520.4 Essays

Jacoby, Harold. **520.4 J15**

65339 Practical talks by an astronomer, by Harold Jacoby . . . . New York, C. Scribner's Sons, 1902.

ix, 235 p. front., 7 pl. 19½cm.

Contents. — Navigation at sea. — The Pleiades. — The pole-star. — Nebulæ. — Temporary stars. — Galileo. — The planet of 1898. — How to make a sun dial. — Photography in astronomy. — Time standards of the world. — Motions of the earth's pole. — Saturn's rings. — The heliometer. — Occultations. — Mounting great telescopes. — The astronomer's pole. — The moon hoax. — The sun's destination.

520.9 History of astronomy

Berry, Arthur. **520.9 P800**

20195 A short history of astronomy. xxxi,440 p. il. 17 pl. 9 por. 1 map, 2 tables. D. [University extension manuals.] London: J. Murray, 1898.

Clerke, Agnes Mary. **520.9 O700**

4861 A popular history of astronomy during the nineteenth century. Second edition. xvi,502 p. 1 pl. O. Edinburgh: A. & C. Black, 1887.

520.92 Biographies

Ball, *Sir* Robert Stawell. **520.92 B21**

7638 Great astronomers. xii,372 p. il. 1 pl. O. London: Isbister & Co., 1895.

Lodge, Oliver [Joseph]. **520.92 L82**

306 Pioneers of science. xv,404 p. 120 il. 1 por. O. London: Macmillan & Co., 1893.

520.93 Astronomy of the ancients

Blake, John Frederick. **520.93 N700**

8743 Astronomical myths, based on Flammarion's "History of the heavens." xvi,431 p. il. 6 pl. O. London: Macmillan & Co., 1877.

Lockyer, *Sir* Joseph Norman. **520.932 P300**

7887 The dawn of astronomy. A study of the temple-worship and mythology of the ancient Egyptians. xvi,432 p. il. 1 pl. 1 map. O. New York: Macmillan Co., 1897.

Moulton, Forest Ray. **521 Q200** 521 Theoretical astronomy

63575 An introduction to celestial mechanics, by F. R. Moulton .... New York, London, The Macmillan Company, 1902.

xv, 384 p. 22½cm.

"Historical sketch and bibliography" at end of each chapter.

Campbell, William Wallace. **522 P900** 522 Practical astronomy

19558 The elements of practical astronomy. Second edition, revised and enlarged. xii,264 p. 28 il. O. New York: Macmillan Co., 1899.

Fowler, A. **522 P500**

4500 Popular telescopic astronomy. How to make a 2-inch telescope and what to see with it. vi,[2],77 p. il. 1 pl. D. New York: T. Whittaker, 1896.

Lockyer, *Sir* Joseph Norman. **522 N700**

3750 Stargazing: past and present. .... xiv,[2],496 p. 217 il. 1 pl. O. London: Macmillan & Co., 1878.

Scheiner, Julius. **522.67 P400** 552.67 Astronomical spectroscopy

7782 A treatise on astronomical spectroscopy. Being a translation of Die Spectralanalyse der Gestirne. Translated, revised and enlarged, with the coöperation of the author, by Edwin Brant Frost. xiii,482 p. 81 il. 2 pl. O. Boston, U. S. A.: Ginn & Co., 1894.

"A bibliography of astronomical spectroscopy", p. 427-472.

Newcomb, Simon, 1835– **522.7 Q600** 522.7 Spherical astronomy

65340 A compendium of spherical astronomy with its applications to the determination and reduction of positions of the fixed stars, by Simon Newcomb. New York, London, The Macmillan Company, 1906.

xviii, 444 p. incl. tables, diagrs. 22½cm.

Bibliographical notes at end of most chapters.

Ball, *Sir* Robert Stawell, 1840– **523 Q502** 523 Descriptive astronomy

63573 A popular guide to the heavens. A series of eighty-three plates, with explanatory text & index. By Sir Robert Stawell Ball .... London, G. Philip & Son, ltd., [etc., etc.], 1905.

xii, 96 p. 99 pl. (partly col.) incl. maps. 21½ x 18½cm.

"In 1892 I edited an atlas of the celestial bodies which has long been out of print .... The question of a new issue of the work having arisen, it was deemed better to recast the book completely, and the present volume is the result." — Pref.

Ball, *Sir* Robert Stawell, 1840– **523 Q001**

65341 The story of the heavens .... New and revised edition. London, Paris, New York & Melbourne, Cassell and Co., ltd., 1900.

xii, 568 p. illus., 24 pl. (incl. front. partly col.) 24cm.

523 Descriptive astronomy

Newcomb, Simon, 1835– **523 Q200**

63574 . . . . Astronomy for everybody; a popular exposition of the wonders of the heavens, by Simon Newcomb . . . . New York, McClure, Phillips & Co., 1902.

xv, 333 p. incl. front., illus., diagr. 20½cm. (Science for everybody.)

Serviss, Garrett Putman, 1851– **523 Q800**

65591 Astronomy with the naked eye; a new geography of the heavens, with descriptions and charts of constellations, stars, and planets, by Garrett P. Serviss . . . . New York and London, Harper & Brothers, 1908.

xiii, [3], 246, [2] p. illus., XIV charts (12 double). 21cm.

523.1 Universe

Ball, *Sir* Robert Stawell, 1840– **523.12 Q100**

65342 The earth's beginning, by Sir Robert Stawell Ball . . . . New York, London, [etc.], Cassell and Co., ltd., 1901.

[8], xi–xii, 384 p. col. front., illus., 2 col. pl., 1 map. 19½cm.
Royal Institution of Great Britain Christmas lectures, 1900.

Wallace, Alfred Russel, 1823– **523.13 Q400**

44152 Man's place in the universe; a study of the results of scientific research in relation to the unity or plurality of worlds, by Alfred R. Wallace, F.R.S., . . . , Fourth edition with a new chapter entitled 'An additional argument dependent on the theory of evolution'. London, Chapman and Hall, ltd., 1904.

vi, [2], 341 p. 1 fold. map. 20½cm.

553.2 Solar system

Chambers, George Frederick. **523 P500**

4472 The story of the solar system simply told for general readers. 188 p. il. 1 pl. S. [Library of useful stories.] New York: D. Appleton & Co., 1896.

Poor, Charles Lane, 1866– **523.2 Q800**

65326 The solar system; a study of recent observations, by Charles Lane Poor . . . . New York & London, G. P. Putnam's Sons, 1908.

[4], iii–x, [2], 310 p. illus., 6 pl. (incl. front.), diagrs. 21½cm. (*Half-title:* The science series; edited by E. L. Thorndike . . . and F. E. Beddard. [Vol. 17.])

"This work grew out of a series of lectures delivered at Columbia University." — Pref.

523.3 Moon

Pickering, William Henry, 1858– **L523.3 Q200**

65328 The moon; a summary of the existing knowledge of our satellite, with a complete photographic atlas, by William H. Pickering . . . . One hundred illustrations. New York, Doubleday, Page & Co., 1903.

viii, [4], 103 p. illus., 92 pl. (incl. front.), 8 maps. 32 x 28½cm.

Serviss, Garrett Putman, 1851– 523.3 Q700 523.3 Moon

65327 The moon; a popular treatise, by Garrett P. Serviss. New York, D. Appleton and Co., 1907.
xii, 248 p. front., illus., 26 pl. 20cm.

Lowell, Percival, 1855– 523.43 Q601 523.43 Mars

65343 Mars and its canals, by Percival Lowell . . . . New York, London, The Macmillan Company, 1906.
xv, 393 p. front., illus., 10 pl. (partly col.), 5 maps. 23cm.

Angot, Alfred. 523.59 P500 523.5 Meteors. Aurora borealis

6464 The aurora borealis. xii,264 p. il. 16 pl. D. (International scientific series, vol. 77.) New York: D. Appleton & Co., 1897.

Lockyer, *Sir* Joseph Norman. 523.5 P001

3698 The meteoritic hypothesis: a statement of the results of a spectroscopic inquiry into the origin of cosmical systems. xvi,560 p. 101 il. 7 pl. O. London: Macmillan & Co., 1890.

Ball, *Sir* Robert Stawell. 523.7 P300 423.7 Sun

1384 The story of the sun. xii,376 p. 82 il. 11 pl. O. New York: D. Appleton & Co., 1893.

Clerke, Agnes Mary. 523.8 P001 423.8 Stars

3695 The system of the stars. xix,[1],424 p. 50 il. 6 pl. O. London: Longmans, Green, & Co., 1890.

Newcomb, Simon, 1835– 523.8 Q100

63572 The stars; a study of the universe. New York, G. P. Putnam's Sons; London, J. Murray, 1901.
[2], xi, 333 p. front., illus. 21½cm. (The science series, 9.)

Ball, *Sir* Robert Stawell. 525.6 O900 525.6 Tides

9912 Time and tide, a romance of the moon. Third edition, revised. . . . . 192 p. 5 il. 1 pl. S. (Romance of science.) London: Society for Promoting Christian Knowledge, 1895.

Darwin, George Howard. 525.6 P800

16879 The tides and kindred phenomena in the solar system. The substance of lectures delivered in 1897 at the Lowell Institute, Boston, Massachusetts. xviii,378 p. 43 il. O. Boston: Houghton, Mifflin & Co., 1898.
"Authorities," at the end of each chapter.

Gore, James Howard. 526.09 P100 526 Geodesy

8039 Geodesy. vi,[4],218 p. il. 2 pl. D. (Riverside science series.) Boston: Houghton, Mifflin & Co., 1891.

526 Geodesy

Wilson, Herbert Michael. 526.02 Q001

23229 Topographic surveying. Including geographic, exploratory, and military mapping, with hints on camping, emergency surgery, and photography. First edition. . . . . xxx,910 p. il. 15 pl. 14 paged in, 16 maps, 13 paged in. O. New York: J. Wiley & Sons, 1900.

"Reference works on topography," p. 490–494.
"Reference works on geodesy," p. 809–810.

Woodward, Robert Simpson. 526.08 1

22510 Smithsonian geographical tables. Second edition. cv,182 p. 4 il. O. (SMITHSONIAN INSTITUTION. Smithsonian miscellaneous collections.) City of Washington 1897.

526.8 Map construction

Morrison, Gabriel James. 526.8 Q200

65344 Maps, their uses and construction; a short popular treatise on the advantages and defects of maps on various projections, followed by an outline of the principles involved in their construction, by G. James Morrison . . . . Second edition, revised and enlarged. London, E. Stanford, 1902.

xii, 152 p. incl. maps, diagrs. 20cm.

Nordenskiöld, Adolf Erik. A910.9 O900

384 Facsimile-atlas to the early history of cartography, with reproductions of the most important maps printed in the xv and xvi centuries. Translated from the Swedish original by Johan Adolf Ekelöf and Clements R. Markham. [2],iv,[4],141 p. 84 il. 51 maps. F. Stockholm 1889.

Nordenskiöld, Adolf Erik, *Friherre.* A910.9 P701

22137 Periplus. An essay on the early history of charts and sailing-directions. Translated from the Swedish original by Francis A. Bather. x,208 p. 100 il. 60 maps. F6. Stockholm: P. A. Norstedt & Söner, 1897.

With bibliographical notes.

526.9 Surveying

Flemer, John Adolphus, 1859– 526.91 Q600

65345 An elementary treatise on phototopographic methods and instruments, including a concise review of executed phototopographic surveys and of publications on this subject, by J. A. Flemer . . . . First edition . . . . New York, J. Wiley & Sons; [etc., etc.], 1906.

xix, 438, [2] p. CIX (*i. e.* 55) pl. (incl. diagrs.) 23½cm.
Plates, with the exception of the last, printed on both sides.

Gillespie, William Mitchell. 526.9 P600

5918 A treatise on surveying, comprising the theory and the practice. Revised and enlarged by Cady Staley. . . . . 2 vol. il. map. O. New York: D. Appleton & Co., 1896–1897.

Johnson, John Butler, 1850–1902. **526.9 Q204** 526.9 Surveying

65290 The theory and practice of surveying. Designed for the use of surveyors and engineers generally. But especially for the use of students in engineering. By J. B. Johnson, ... Sixteenth edition, revised and enlarged .... New York, J. Wiley & Sons; London, Chapman & Hall, ltd., 1907, [c1900].

xxx, 838 p. incl. illus., tables. VI fold. pl. (maps, diagrs.) 21cm.

Rankine, William John Macquorn. **620.2 P700**

14581 A manual of civil engineering. Twentieth edition, thoroughly revised. By W. J. Millar. xvi,818 p. il. O. London: C. Griffin & Co., 1898.

Smith, Richard Somers. **526.98 O500**

17869 A manual of topographical drawing. Revised and enlarged by Charles McMillan. Third edition. .... xi,112 p. 57 il. 16 pl. 4 maps, 3 tables. O. New York: J. Wiley & Sons, 1894, c. 1885.

Martin, William Robert. **L527 P900** 527 Theory of navigation

20762 A treatise on navigation and nautical astronomy. Sanctioned for use in the Royal Navy .... Third edition, thoroughly revised. xiii,[2],429 p. 187 il. 1 pl. 3 maps, 4 tables. Q. London: Longmans, Green, & Co., 1899.

530–536 PHYSICS

Pearson, Karl. **110.2 Q002** 530.1 Theory of physics

28903 The grammar of science. Second edition, revised and enlarged. xviii,548 p. 33 il. O. London: A. & C. Black, 1900.

"Literature" follows each chapter.

Poincaré, Lucien. **530.1 Q707**

63821 .... The new physics and its evolution. By Lucien Poincaré, ... Being the authorised translation of "La physique moderne, son évolution". London, K. Paul, Trench, Trübner, & Co., ltd., 1907.

xv, 344 p. 19cm. (*Half-title:* International scientific series, vol. XC.)

Series title also at head of t.-p.

Contents. — 1. The evolution of physics. — 2. Measurements. — 3. Principles. — 4. The various states of matter. — 5. Solutions and electrolytic dissociation. — 6. The ether. — 7. Wireless telegraphy. — 8. The conductivity of gases and the ions. — 9. Cathode rays and radioactive bodies. — 10. The ether and matter. — 11. The future of physics.

530.1 Theory of physics

Poincaré, Henri *i.e.* Jules Henri, 1854– 501 Q308

64997 Science and hypothesis, by H. Poincaré . . . . With a preface by J. Larmor . . . . London and Newcastle-on-Tyne, The Walter Scott Publishing Co., ltd., 1905.

xxvii, 244 p. 19½cm.

Translated by W. J. G.

Contents. — 1. Number and magnitude. — 2. Space. — 3. Force. — 4. Nature.

Tait, Peter Guthrie, 1831–1901. 530.1 Q708

64626 Properties of matter. By P. G. Tait, ... Fifth edition, edited by W. Peddie, ... London, A. and C. Black, 1907.

xvi, 353 p. 41 illus. incl. diagrs. 19cm.

530.2 Physical compends

Ames, Joseph Sweetman. 530.2 P600

5574 Theory of physics. xviii,513 p. 283 il. O. New York: Harper & Brothers, 1897.

Avery, Elroy McKendree. 530.2 P500

5708 School physics. . . . . 608 p. 473 il. D. New York: Sheldon & Co., c. 1895.

Daniell, Alfred. 530.2 P503

9231 A text book of the principles of physics. Third edition. . . . . xxv,783 p. 257 il. O. New York: Macmillan & Co., 1895.

"Bibliography", p. 751–756.

Franklin, William Suddards, 1863– 530.2 Q800

63967 Practical physics; a laboratory manual for colleges and technical schools, by W. S. Franklin, C. M. Crawford and Barry Macnutt. Volume I – [III]. . . . . New York, London, The Macmillan Company, 1908.

3 vol. 22cm.

Contents. — vol. 1. Precise measurements; measurements in mechanics and heat. [8], 173 p. 75 illus. — vol. 2. Elementary and advanced measurements in electricity and magnetism. vi, [2], 160 p. illus. — vol. 3. Photometry; experiments in light and sound. vi, [2], 80 p. illus.

Ganot, [Adolphe]. 530.2 P802

20296 Elementary treatise on physics, experimental and applied. . . . . Translated and edited from Ganot's Éléments de physique (with the author's sanction) by E. Atkinson. Fifteenth edition, revised and enlarged. xi,1142 p. 1057 il. 2 pl. 6 maps, 1 table. O. London: Longmans, Green, & Co., 1898.

Gray, Andrew. 530.2 Q100

28947 A treatise on physics. . . . . Vol. 1–. il. O. London: J. & A. Churchill, 1901–.

[Kelvin], William Thomson, *1st Baron,* **& Tait, Peter Guthrie.** 530.2 N900 530.2 Physical compends
3769
Treatise on natural philosophy. New edition. Vol. 1 in 2 parts. il. O. Cambridge: University Press, 1879–1883.
No more published.

Nichols, Edward Leamington, 1854– 530.2 Q400
47159 The elements of physics; a college text-book, by Edward L. Nichols and William S. Franklin. In three volumes. . . . . New York, London, The Macmillan Company, 1904.
3 vol. illus., diagrs. 22cm.
Contents.—vol. 1. Mechanics and heat. Third edition, rewritten, with additions. x, 290 p. diagrs.—vol. 2. Electricity and magnetism. New edition. Entirely rewritten. vii, 303 p. 196 diagrs.—vol. 3. Light and sound. New edition, revised and rewritten. viii, 262 p. 209 diagrs.

Privat-Deschanel, Augustin, 1821–1883. 530.2 Q110
39033 Deschanel's Natural philosophy. . . . . Being the sixteenth edition of . . . Everett's Deschanel, by J. D. Everett, M.A., ... London, Glasgow and Dublin, Blackie & Son, ltd., 1901–1903.
4 vol. 22½cm.
Vol. 3 is in first edition, practically a new work, with title: Electricity. An expansion of Everett's Deschanel, part III, on the lines of modern electrical theory, by J. D. Everett, ...
Contents.—1st pt. Mechanics, hydrostatics, and pneumatics. 1902. viii, 256 p. front. (map), 180 illus. (diagrs.)—2nd pt. Heat. 1902. vii, 276 p. 140 diagrs.—3d pt. Electricity. 1901. xii, 358 p. col. front., 181 diagrs.—4th pt. Sound and light. 1903. vii, 318 p. col. front. 219 diagrs.

Watson, William, *F.R.S.* 530.8 55
65346 A text-book of practical physics, by William Watson . . . . London, New York and Bombay, Longmans, Green, and Co., 1906.
xvi, 626 p. illus., tables, diagrs. 20½cm.

Tait, Peter Guthrie. 530.4 T13 530.4 Physical essays
16060 Lectures on some recent advances in physical science. xii,337 p. il. D. London: Macmillan & Co., 1876.

Smith, Alexander, 1865– 507 Q200 530.7 Study and teaching
67981 . . . . The teaching of chemistry and physics in the secondary schools, by Alexander Smith . . . and Edwin H. Hall . . . . New York, London, [etc.], Longmans, Green, and Co., 1902.
xiii, 377 p. illus., diagr. 20½cm. (American teachers series.)
Contains short bibliographies.

Threlfall, Richard. 542.2 P800
18901 On laboratory arts. xii,338 p. 91 il. D. [Macmillan's manuals for students.] London: Macmillan & Co., 1898.
Contents: 1. Hints on the manipulation of glass and on glass-blowing for laboratory purposes. Appendix. On the preparation of vacuum tubes for the production of Professor Röntgen's radiation. 2. Glass-grinding and opticians' work. 3. Miscellaneous processes. 4. Electroplating and allied arts. Appendix. Platinising glass.

530.8 Physical measurements and tables

Clark, Latimer. 389 P100

13981 A dictionary of metric and other useful measures. 113 p. D. London: E. & F. N. Spon, 1891.

Everett, Joseph David. 530.8 35

36192 Illustrations of the C. G. S. system of units with tables of physical constants. By J. D. Everett, ... London, New York, Macmillan & Co., 1902.
xxiii, 283 p. 18cm.

Gray, Thomas. 530.8 8

22509 Smithsonian physical tables. Revised edition. [2],xxxiv,301 p. O. (SMITHSONIAN INSTITUTION. Smithsonian miscellaneous collections.) City of Washington 1897.

Kohlrausch, Friedrich. 530.8 7

6066 An introduction to physical measurements, with appendices on absolute electrical measurement, etc. Third edition. Translated from the seventh German edition by Thomas Hutchinson Waller and Henry Richardson Procter. xix,476 p. 91 il. O. New York: D. Appleton & Co., 1894.

Landolt, [Hans Heinrich], 1831– L530.8 49

48081 Landolt-Börnstein Physikalisch-chemische Tabellen. Dritte umgearbeitete und vermehrte Auflage ... mit Unterstützung der Königlich Preussischen Akademie der Wissenschaften herausgegeben von Dr. Richard Börnstein, ... und Dr. Wilhelm Meyerhoffer, ... Berlin, J. Springer, 1905.
xvi, 861, [1] p. 27½cm.

530.9 History of physics

Cajori, Florian. 530.9 P900

18568 A history of physics in its elementary branches including the evolution of physical laboratories. viii,322 p. 18 il. O. New York: Macmillan Co., 1899.

530.92 Biographies of physicists

Garnett, William. 530.92 G18

16947 Heroes of science. Physicists. . . . . vii,339 p. D. London: Society for Promoting Christian Knowledge, pref. 1885.

531 Mechanics

Cotterill, James Henry. 531 Q005

28856 Applied mechanics: an elementary general introduction to the theory of structures and machines. Fifth edition, revised and enlarged. xxiv,647 p. 213 il. 11 pl. O. London: Macmillan & Co., 1900.

Glazebrook, Richard Tetley. 531 P501

20461 Mechanics. An elementary text-book, theoretical and practical. . . . . 3 parts in 1 vol. il. D. (Cambridge natural science manuals. Physical series.) Cambridge University Press, 1897.
Contents: Dynamics. [2],244 p. Statics. 176 p. Hydrostatics. [2],208 p.

Jamieson, Andrew. 621.02 Q508 531 Mechanics

57036 A text-book of applied mechanics and mechanical engineering. Specially arranged for the use of engineers qualifying for the Institution of Civil Engineers, the diplomas and degrees of technical colleges and universities, advanced science certificates of British and colonial boards of education, and honours certificates of the City and Guilds of London Institute, in mechanical engineering, and engineers generally. By Andrew Jamieson, ... Volume I–[II]. Fifth edition, revised. With numerous diagrams, special plates, and examination questions. London, C. Griffin & Co., ltd., 1905–[1906]

2 vol. fronts., illus., 7 pl. (1 fold.), 1 fold. table, 1 fold. diagr. 20cm.

Mach, Ernst, 1838– 531 Q206

38178 The science of mechanics; a critical and historical account of its development, by Ernst Mach, ... Translated from the German by Thomas J. McCormack. Second revised and enlarged edition. With 259 cuts and illustrations. Chicago, The Open Court Publishing Company; London, K. Paul, Trench, Trübner & Co., ltd., 1902.

xix, [2], 605 p. 259 illus. incl. diagrs. 20cm.

"Chronological table of a few eminent inquirers and of their more important mechanical works," p. [589]–591.

Marey, Etienne Jules. 591.17 0900

1226 Movement. Translated by Eric Pritchard. xv,323 p. 204 il. D. (International scientific series, vol. 73.) New York: D. Appleton & Co., 1895.

Maxwell, James Clerk. 531 N800

1548 Matter and motion. Second American edition. viii,224 p. 18 il. S. [Van Nostrand's science series, vol. 36.] New York: D. Van Nostrand Co., 1892.

Rankine, William John Macquorn. 531 P500

12014 A manual of applied mechanics. Fourteenth edition, thoroughly revised. By W. J. Millar. xiv,671 p. il. O. London: C. Griffin & Co., 1895.

Weisbach, Julius, 1806–1871. 621.02 N500

63595 Lehrbuch der Ingenieur- und Maschinen-Mechanik. Mit den nöthigen Hülfslehren aus der Analysis für den Unterricht an technischen Lehranstalten sowie zum Gebrauche für Techniker bearbeitet von Dr. phil. Julius Weisbach . . . . Fünfte verbesserte und vervollständigte Auflage bearbeitet von Gustav Herrmann, ... In drei Theilen. Mit gegen 4000 in den Text eingedruckten Holzstichen. . . . . Braunschweig, F. Vieweg und Sohn, 1876–1901.

7 vol. illus., diagrs. 21½cm.

Contents. — 1. Th. Lehrbuch der theoretischen Mechanik. Zweiter unveränderter Abdruck des 1875 erschienenen Werkes. 1896. [4, xiii]–xxviii, 1319 p. 1034 illus. — 2. Th. Die Statik der Bauwerke und die Mechanik der Umtriebsmaschinen. 1882–1887. 2 vol. illus. — 3. Th. Die Mechanik der Zwischen- und Arbeitsmaschinen. Zweite verbesserte und vervollständigte Auflage. 1876–1901. 3 vol. in 4. illus.

531 Mechanics

Ziwet, Alexander, 1853– **531 Q400**

65347 Elements of theoretical mechanics, by Alexander Ziwet . . . . Revised edition of "An elementary treatise of theoretical mechanics," especially designed for students of engineering. New York, London, The Macmillan Company, 1904.

ix, 494 p. diagrs. 22cm.

Contents. — pt. 1. Geometry of motion; kinematics. — pt. 2. Introduction to dynamics; statics. — pt. 3. Kinetics.

531.2 Statics

Routh, Edward John, *1831–*. **531.2 P600**

11159 A treatise on analytical statics. With numerous examples. Second edition. 2 vol. il. O. Cambridge: University Press, 1896–1902.

Vol. 2 has subtitle: With illustrations taken from the theories of electricity and magnetism. Second edition, revised and enlarged.

Todhunter, Isaac. **531.2 O700**

19327 A treatise on analytical statics, with numerous examples. Fifth edition. Edited by J. D. Everett. viii,364 p. il. D. London: Macmillan & Co., 1887.

Turner, George Charles. **510.4 T85**

63785 Graphics applied to arithmetic, mensuration and statics. By G. C. Turner, ... London, Macmillan, and Co., ltd., 1908.

viii, [2], 388 p. 316 diagr. 19cm.

531.3 Dynamics

Routh, Edward John, 1831– **531.3 Q501**

58267 The elementary part of a treatise on the dynamics of a system of rigid bodies. Being part 1. of a treatise on the whole subject. With numerous examples. By Edward John Routh, ... Seventh edition, revised and enlarged. London, Macmillan and Co., ltd., 1905.

xv, [1], 443 p. diagrs. 22½cm.

Williamson, Benjamin, & Tarleton, Francis A. **531.3 Q003**

29188 An elementary treatise on dynamics, containing applications to thermodynamics, with numerous examples. Third edition, revised and enlarged. xvi,559 p. il. D. London: Longmans, Green, & Co., 1900.

531.8 Machines

Hiscox, Gardner Dexter. **621.02 Q401**

67982 Mechanical appliances, mechanical movements and novelties of construction . . . . For engineers, draughtsmen, inventors, patent attorneys, and all others interested in mechanical operations. Including an explanatory chapter on the leading conceptions of perpetual motion existing during the past three centuries. By Gardner B. Hiscox . . . . Being a supplementary volume to the author's work entitled Mechanical movements, powers, and devices. New York, The N. W. Henley Publishing Company, 1904.

396 p. illus., diagrs. 24cm.

Hiscox, Gardner Dexter. 621.02 P901 531.8 Machines

18523 Mechanical movements. Powers, devices and appliances used in constructive and operative machinery and the mechanical arts. For the use of inventors, ... and all others interested in any way in mechanics. [4],402 p. 1649 il. O. New York: Munn & Co., 1899.

Robinson, Stillman Williams. 621.81 P600

5921 Principles of mechanism. A treatise on the modification of motion by means of the elementary combinations of mechanism, or of the parts of machines. .... First edition. .... xv,309 p. 353 il. O. New York: J. Wiley & Sons, 1896.

Thurston, Robert Henry. 531.8 P400

12236 The animal as a machine and a prime motor, and the laws of energetics. First edition. .... iv,97 p. 3 il. D. New York: J. Wiley & Sons, 1894.

Blaine, Robert Gordon. 621.2 Q501 532 Hydraulics

52506 Hydraulic machinery. With an introduction to hydraulics by Robert Gordon Blaine, ... Second edition, revised and enlarged. London, E. & F. N. Spon, ltd.; New York, Spon & Chamberlain, 1905.

xii, 468 p. incl. front. (port.), illus., 1 fold. pl., 1 fold. plan, 4 fold. diagr. 22½cm. (*Half-title:* Finsbury technical manuals. .... .)

Hiscox, Gardner Dexter. 627.02 Q801

67984 Hydraulic engineering; a treatise on the properties, power and resources of water for all purposes ... by Gardner D. Hiscox .... 300 illustrations with 36 practical tables. New York, The N. W. Henley Publishing Company, 1908.

[4], 3–315 p. illus., plates, diagrs. 24cm.

Merriman, Mansfield, 1848– 532 Q300

63563 Treatise on hydraulics, by Mansfield Merriman .... Eighth edition, rewritten and enlarged. .... New York, J. Wiley & Sons; London, Chapman & Hall, ltd., 1903.

viii, 585 p. diagr. 23½cm.

Stone, Thomas William. 532.5 O100

17679 Simple hydraulic formulæ. viii,90 p. 9 pl. D. London: E. & F. N. Spon, 1881.

Unwin, William Cawthorne, 1838– 532 Q700

65783 A treatise on hydraulics; by William Cawthorne Unwin .... London, A. and C. Black, 1907.

vi, 327 p. incl. tables, diagrs. 22cm.

532 Hydraulics

Williams, Gardner Stewart, 1866– **532.9 Q500**

65348 Hydraulic tables, showing the loss of head due to the friction of water flowing in pipes, aqueducts, sewers, etc. and the discharge over weirs, by Gardner S. Williams ... and Allen Hazen .... First edition .... New York, J. Wiley & Sons; London, Chapman & Hall, ltd., 1905.

iii, 75 p. diagrs. $23\frac{1}{2}^{cm}$.

See also **626, 627, 628** Water engineering.

533 Gases

Kimball, Arthur Lalanne. **533.1 P001**

3883 The physical properties of gases. viii,238 p. 39 il. D. (Riverside science series, no. 2.) Boston: Houghton, Mifflin & Co., 1890.

533.2 Compressed air

Hiscox, Gardner Dexter. **621.5 Q101**

30863 Compressed air. Its production, uses, and applications. Comprising the physical properties of air from a vacuum to its liquid state, its thermodynamics, compression, transmission and uses as a motive power .... 822 p. 545 il. 1 pl. 1 por. O. New York: N. W. Henley & Co., 1901.

"Patents. Issued by the United States Patent Office on compressed air and its appliances, from 1875 to July 1, 1901," p. 805–817.

Sloane, Thomas O'Conor. **536.42 P900**

17931 Liquid air and the liquefaction of gases. Theory, history, biography, practical applications, manufacture. [2],365 p. il. O. New York: N. W. Henley & Co., 1899.

533.6 Aerodynamics

Hildebrandt, Alfred. **533.6 Q601**

65349 Airships past and present, together with chapters on the use of balloons in connection with meteorology, photography and the carrier pigeon, by A. Hildebrandt .... Translated by W. H. Story. New York, D. Van Nostrand Company, 1908.

xvi, 364 p. illus. (incl. ports., maps, facsims.), 1 fold. pl. 24^{cm}.
Printed in Great Britain.

Lanchester, F W **533.6 Q710**

64354 Aerodynamics: constituting the first volume of a complete work on aerial flight. By F. W. Lanchester. With appendices on the velocity and momentum of sound waves, and on the theory of soaring flight, etc. London, A. Constable & Co., ltd., 1907.

xvi, 442 p. front., illus., 1 fold. diagr. $22\frac{1}{2}^{cm}$. (*On cover:* Aerial flight.)

533.9 Steam tables

Peabody, Cecil Hobart, 1855– **533.9 Q700**

65319 Tables of the properties of steam and other vapors and temperature-entropy table, by Cecil H. Peabody .... Seventh edition. Rewritten. New York, J. Wiley & Sons; [etc., etc.], 1908.

v, 131 p. $23\frac{1}{2}^{cm}$.

"The actual work of recomputing the tables of properties of steam and of constructing the temperature-entropy table has been done by Mr. Harold A. Everett."—Pref.

Tyndall, John. 534 P300 534 Sound

[c444] Sound. Sixth edition. xv,464 p. il. 1 pl. 1 por. D. London: Longmans, Green, & Co., 1895.

Helmholtz, Hermann von. L534.3 O500 534.3 Musical sound

[8155] On the sensations of tone as a physiological basis for the theory of music. Translated, thoroughly revised and corrected, rendered conformable to the fourth (and last) German edition of 1877, with numerous additional notes and a new additional appendix bringing down information to 1885 and especially adapted to the use of musical students, by Alexander J. Ellis. Third edition. xix,576 p. 70 il. Q. London: Longmans, Green, & Co., 1895.

Zahm, John Augustine. 534.3 P200

[9290] Sound and music. 452 p. il. 1 pl. O. Chicago: A. C. McClurg & Co., 1892.

Drude, Paul. 535 Q004 535 Light

[63570] The theory of optics, by Paul Drude ... translated from the German by C. Riborg Mann and Robert A. Millikan .... New York, London, [etc.], Longmans, Green, and Co., 1902.
[2], xxi, 546 p. incl. illus., diagr. 22cm.

Preston, Thomas. 535.1 Q100

[34142] The theory of light. Third edition, edited by Charles Jasper Joly. xix,586 p. 251 il. O. London: Macmillan & Co., 1901.

Thompson, Silvanus Phillips. 535 P701

[14647] Light, visible and invisible. A series of lectures delivered at the Royal Institution of Great Britain, ... , 1896. xii,294 p. il. 7 pl. 3 por. D. New York: Macmillan Co., 1897.

Tyndall, John. 535 N500

[427] Six lectures on light, delivered in America in 1872–1873. Second edition. xvii,272 p. 59 il. 1 pl. 1 por. O. New York: D. Appleton & Co., 1883.

Wright, Lewis. 535 P200

[11617] Light. A course of experimental optics, chiefly with the lantern. Second edition, revised and enlarged. xv,[1],391 p. 207 il. 9 pl. D. New York: Macmillan & Co., 1894.

Rood, Ogden Nicholas. 535.6 N900 535.6 Color

[646] Modern chromatics, with applications to art and industry. 329 p. 130 il. 1 pl. D. (International scientific series, vol. 26.) New York: D. Appleton & Co., 1879.

Le Conte, Joseph. 535.7 O100 535.7 Physiological optics

[302] Sight: an exposition of the principles of monocular and binocular vision. 275 p. 132 il. D. (International scientific series, vol. 31.) New York: D. Appleton & Co., 1881.

535.81 Lenses

Wright, Lewis. 535.81 P500

11333 Optical projection. A treatise on the use of the lantern in exhibition and scientific demonstration. Third edition, with appendix. vi,[2],438 p. 237 il. D. London: Longmans, Green, & Co., 1895.

535.84 Spectrum analysis

Landauer, John. 535.84 P601

11856 Spectrum analysis. Authorized English edition by J. Bishop Tingle. First edition. . . . . x,239 p. 44 il. O. New York: J. Wiley & Sons, 1898.

536 Heat

Preston, Thomas, 1860–1900. 536 Q400

63568 The theory of heat, by Thomas Preston . . . . Second edition revised by J. Rogerson Cotter . . . . London, New York, Macmillan and Co., ltd., 1904.

xix, 838 p. illus., tables, diagrs. 23cm.

Stewart, Balfour. 536 P500

12042 An elementary treatise on heat. Sixth edition. Revised with additions by Robert E. Baynes. xxiv,476 p. 86 il. D. (Clarendon Press series.) Oxford: Clarendon Press, 1895.

Tyndall, John. 536.1 O001

6051 Heat a mode of motion. Sixth edition. xix,591 p. 125 il. 1 pl. D. New York: D. Appleton & Co., 1895, pref. 1880.

536.42 Liquefaction of gases

Sloane, Thomas O'Conor. 536.42 P900

17921 Liquid air and the liquefaction of gases. Theory, history, biography, practical applications, manufacture. [2],365 p. il. O. New York: N. W. Henley & Co., 1899.

536.6 Calorimetry

Poole, Herman. 662.6 Q001

23274 The calorific power of fuels. With a collection of auxiliary tables, and tables showing the heat of combustion of fuels, solid, liquid and gaseous. To which is appended the report of the Committee on Boiler Tests of the American Society of Mechanical Engineers (December, 1899). Second edition, revised and enlarged. . . . . xvii,269 p. 40 il. O. New York: J. Wiley & Sons, 1900.

536.7 Thermodynamics

Peabody, Cecil Hobart. 621.01 P800

18071 Thermodynamics of the steam-engine and other heat engines. Fourth edition, rewritten . . . . v,522 p. 97 il. O. New York: J. Wiley & Sons, 1898.

536.8 Heat engines

Hutton, Frederick Remsen. 621.01 P900

21778 Heat and heat-engines. A study of the principles which underlie the mechanical engineering of a power plant. First edition. . . . . xxi,553 p. 198 il. O. New York: J. Wiley & Sons, 1899.

"Bibliography," p. 528–530.

See also 621 Steam and gas engines.

537-538 ELECTRICITY AND MAGNETISM

Fleming, John Ambrose. 537.02 P804 537.02 Compends of electricity

21360 Magnets and electric currents. An elementary treatise for the use of electrical artisans and science teachers. xv,408 p. il. D. London: E. & F. N. Spon, 1898.

Maxwell, James Clerk. 537.02 P103

3972 A treatise on electricity and magnetism. Third edition. 2 vol. il. pl. O. Oxford: Clarendon Press, 1892.

Thompson, Silvanus Phillips, 1851– 537.02 P404

44685 Elementary lessons in electricity & magnetism, by Silvanus P. Thompson, D.SC., ... New edition, revised throughout with additions. New York and London, Macmillan and Co., 1896.

xv, 634 p. front. (map), 297 illus. 19cm.

Houston, Edwin James. L537.03 P800 537.03 Elecrical dictionaries

19581 A dictionary of electrical words, terms and phrases. Fourth edition. With appendix. Greatly enlarged. vi,[2],990 p. 582 il. Q. New York: W. J. Johnston Co., 1898.

Sloane, Thomas O'Conor. 537.03 P700

17675 The standard electrical dictionary. A popular encyclopædia of words and terms used in the practice of electrical engineering. Second edition, with appendix to date. 682 p. 393 il. 1 pl. D. London: C. Lockwood & Son, 1898.

Powers' central station directory. 537.051 12 537.09 Electrical directories

18550 . . . . Powers' central station directory and buyer's manual. Containing a complete list of the electric lighting central stations in the United States, Canada and Mexico, ... [First]–tenth volume, 1894–1902. New York, E. L. Powers Company, 1894–1902.

10 vol. 24cm.

Vol. 1–3, no. 3, title reads: Electrical industries directory; vol. 3, no. 4–vol. 5, Standard electrical directory quarterly; with variations in the subtitle; vol. 6–7, no. 2, American electrical directory and buyer's manual.

Ceased publication in 1902; continued as Central station list and manual of electric lighting.

Vol. 1–6 published in Chicago.

No general title-page nor index.

Vol. 1, no. 1, 3, 4; vol. 3, no. 3; vol. 4, wanting.

Universal electrical directory. L537.09 1

42183 . . . . The Universal electrical directory (J. A. Berly's). Containing a complete record of all the industries directly or indirectly connected with electricity and magnetism, and the names and addresses of manufacturers in Great Britain, India, the colonies, America, the continent, &c. London, H. Alabaster, Gatehouse & Co., 1904.

No. 23, 1904. 25½cm.

537.09 History of electricity

Mendenhall, Thomas Corwin. 537.09 O700

3907 A century of electricity. 229 p. il. D. Boston: Houghton, Mifflin & Co., 1888.

537.1 Theory of electricity

Lodge, Oliver Joseph, 1851– 537.1 Q701

63091 Modern views of electricity. By Sir Oliver Lodge, ... Third edition revised. London, Macmillan and Co., ltd., 1907.

xiv, [2], 518 p. illus. incl. diagrs. 18½cm.

Thomson, Joseph John, 1856– 537.1 Q410

61345 Elements of the mathematical theory of electricity and magnetism. By J. J. Thomson, ... Third edition. Cambridge, University Press, 1904.

vi, [2], 544 p. 134 illus. incl. diagrs. 19cm.

Thomson, Joseph John. 537.1 P300

3819 Notes on recent researches in electricity and magnetism; intended as a sequel to Professor Clerk-Maxwell's treatise on electricity and magnetism. xvi,578 p. 144 il. O. [Clarendon Press series.] Oxford: Clarendon Press, 1893.

Trowbridge, John. 537.1 P600

6096 What is electricity? viii,315 p. 53 il. 1 pl. D. (International scientific series, vol. 75.) New York: D. Appleton & Co., 1896.

537.4 Lightning rods

Lodge, Oliver Joseph. 537.4 P200

1582 Lightning conductors and lightning guards. A treatise on the protection of buildings, of telegraph instruments and submarine cables, and of electric installations generally, from damage by atmospheric discharges. xii,544 p. il. 20 pl. D. [Specialists' series.] London: Whittaker & Co., 1892.

537.7 Electrical measurements

Gray, Andrew. 537.7 O801

8102 The theory and practice of absolute measurements in electricity and magnetism. 2 vol. in 3; vol. 2, parts 1 and 2 paged continuously; part 1: xxiii,[1],1–346 p.; part 2: xx,347–868 p. il. D London: Macmillan & Co., 1888–1893.

Kempe, Harry Robert. 537.7 Q002

28007 A handbook of electrical testing. Sixth edition. viii,646 p. 238 il. 1 table. O. London: E. & F. N. Spon, 1900.

537.8 Electrical engineering

Cyclopedia. 620.2 Q201

67980 Cyclopedia of engineering; a complete manual of steam and machine-shop practice ... edited by a corps of distinguished engineers, technical experts and eminent authorities. Editor-in-chief, Louis Derr .... Boston, American Technical Society, 1902.

4 vol. col. front., illus., pl., diagr. 24½cm.

Pt. 3–4 have title: Cyclopedia of engineering; a complete manual of electricity, power and lighting.

"Authorities consulted" at beginning of each volume.

Karapetoff, Vladimir. 537.8 Q705 537.8 Electrical engineering

62387 Experimental electrical engineering and manual for electrical testing; for engineers and for students in engineering laboratories, by V. Karapetoff. First edition. . . . . New York, J. Wiley & Sons; [etc., etc.], 1908, [c1907].

xxxiv, 790 p. illus., diagrs. (1 fold.) 23½cm.

Slingo, W 537.8 Q301

63569 Electrical engineering for electric light artisans and students (embracing those branches prescribed in the syllabus issued by the City and Guilds Technical Institute) by W. Slingo and A. Brooker. With 383 illustrations. New edition. London, New York, [etc.], Longmans, Green and Co., 1903.

viii, [2], 814 p. illus., diagrs. (2 fold.) 20cm.

U. S. A. *Department of Commerce and Labor.* L537.8 Q601

63567 *Bureau of the Census.*

... Telephones and telegraphs 1902 [and Municipal electric fire alarm and police patrol systems]. Washington, Gov't Print. Off., 1906.

xi, 172 p. illus., plates, diagrs. 31cm.

At head of title: Department of Commerce and Labor. Bureau of the Census. S. N. D. North, director. Special reports.

The statistics cover the calendar year 1902. Collected and compiled under the supervision of W. M. Steuart. Text prepared by Thomas C. Martin, with the cooperation of A. V. Abbott, as to the telephone portion, and W. Maver, jr., as to the telegraph portion.

The last of a series of reports on the generation and utilization of electric current. Former reports relate to street and electric railways and central electric light and power plants. The statistics for the telephone and telegraph systems were published on Dec. 15, 1904, as Bulletin 17, Bureau of the Census, and those for municipal electric fire alarm and patrol systems on May 31, 1904, as Bulletin 11.

Walmsley, Robert Mullineux. 537.8 Q311

41238 Modern practical electricity, electricity in the service of man. A popular and practical treatise on the applications of electricity in modern life, by R. Mullineux Walmsley, F.R.S.E., ... With full-page plates and numerous illustrations. Volume 1–[IV]. Chicago, W. T. Keener & Co., [1903–1904].

4 vol. 25 x 18½cm.

Paged continuously: vol. 1: viii, 288 p. front., diagr. 1–254, 2 pl., 1 port.; vol. 2: viii, [289]–592 p. front., diagr. 255–573, 3 pl.; vol. 3: viii, [593]–888 p. fold. front., diagr. 574–876, 3 pl.; vol. 4: viii, [889]–1208 p. front., diagr. 877–1208, 3 fold. pl.

Fahie, J. J. 537.819 O400 537.81 Telegraphing

14081 A history of electric telegraphy, to the year 1837. Chiefly compiled from original sources, and hitherto unpublished documents. xix,542 p. 35 il. 2 pl. D. London: E. & F. N. Spon, 1884.

"Bibliography", p. 531–536.

Field, Henry Martyn. 537.815 P200

13159 The story of the Atlantic telegraph. ix,415 p. 4 il. 1 por. D. New York: C. Scribner's Sons, 1898, c. 1892.

537.81 Telegraphing

Maver, William, *jr.* **537.81 Q303**

63566 American telegraphy and encyclopedia of the telegraph: systems, apparatus, operation. Embracing electrical testing; primary and storage batteries; dynamo machines; Morse, duplex, quadruplex, multiplex, submarine, automatic, and wireless telegraphy; burglar-alarm, fire-alarm, and police-alarm telegraphy; printing telegraphy; military and naval signaling; railway block systems; telegraph wires, cables, and conduits; etc. by William Maver, jr. . . . . 490 illustrations. [Fifth edition.] New York, Maver Publishing Company, 1903.

xvi, 564 (*i.e.* 646), [7] p. illus., diagrs. 24½cm.
With many extra numbered pages.

537.81 Wireless telegraphy

Fahie, J. J. **537.819 Q100**

30058 A history of wireless telegraphy. Including some bare-wire proposals for subaqueous telegraphs. Second edition, revised. xxi, 348 p. il. 1 pl. of por. D. Edinburgh: W. Blackwood & Sons, 1901.

Maver, William, *jr.* **537.81 Q400**

63565 Maver's wireless telegraphy: theory and practice . . . by William Maver, jr. . . . . 123 illustrations. New York, Maver Publishing Company, 1904.

vi, 199, [6] p. illus., diagrs. 24cm.

Murray, James Erskine-. **537.81 Q701**

60319 A handbook of wireless telegraphy, its theory and practice. For the use of electrical engineers, students, and operators. By James Erskine-Murray. . . . . London, C. Lockwood and Son, 1907.

xvi, 322 p. illus., 1 fold. diagr. 22cm.

537.82 Telephony

Miller, Kempster Blanchard, 1870– **L537.82 Q500**

63564 American telephone practice, by Kempster B. Miller. Fourth edition, enlarged and entirely rewritten. New York, McGraw Publishing Company, 1905.

xvi, 888 p. illus., diagrs. 26½cm.

Preece, William Henry, & Stubbs, Arthur J. **537.82 P300**

11383 A manual of telephony. xviii,508 p. 333 il. D. (Specialists' series.) London: Whittaker & Co., 1893.

37.82 Wireless elephony

Ruhmer, Ernst Walter, 1878– **537.82 Q703**

67960 Wireless telephony, in theory and practice, by Ernst Ruhmer. Translated from the German, by James Erskine-Murray . . . With an appendix by the translator . . . . London, C. Lockwood and Son, 1908.

xiii, 224 p. illus., diagrs. 22cm.
"Bibliography," p. [215]–217.

Crocker, Francis Bacon, 1861– 537.83 Q406 537.83 Electric lighting

65350 Electric lighting; a practical exposition of the art, for the use of engineers, students, and others interested in the installation or operation of electrical plants. . . . . By Francis B. Crocker . . . . Sixth edition. — Entirely revised. New York, D. Van Nostrand Company; London, E. & F. N. Spon, ltd., 1904–.

Vol. 1–. illus., diagrs. 23½cm.

U. S. A. *Department of Commerce and Labor.* L537.83 Q207

63562 *Bureau of the Census.*

. . . Central electric light and power stations 1902. Prepared under the supervision of William M. Steuart, chief statistician for manufactures . . . . Washington, Gov't Print. Off., 1905.

ix, 175 p. illus., 15 pl. 31cm.

At head of title: Department of Commerce and Labor. Bureau of the Census. S. N. D. North, director. Special reports.

"The data for this report were collected by the regular clerical force of the office and published November 30, 1903, as Census bulletin 5."

Text prepared by Thomas C. Martin.

Urquhart, John W. 537.83 P802

19697 Electric light: its production and use. Embodying plain directions for the treatment of dynamo-electric machines, batteries, accumulators, & electric lamps. Sixth edition, revised, with an additional chapter. xvi,428 p. 153 il. D. London: C. Lockwood & Son, 1898.

Hobart, Henry Metcalf, 1868– 537.835 Q802 537.835 Dynamo-electric machinery

65788 High speed dynamo electric machinery, by H. M. Hobart . . . and A. G. Ellis . . . . First edition . . . . New York, J. Wiley & Sons; London, Chapman & Hall, ltd., 1908.

xx, [2], 526 p. illus., 22 diagrs. (partly fold.) 23½cm.

Lyndon, Lamar. 537.835 Q800

64544 Development and electrical distribution of water power, by Lamar Lyndon. First edition . . . . New York, J. Wiley & Sons; London, Chapman & Hall, ltd., 1908.

vi, 317 p. illus. incl. diagrs. 23½cm.

Thompson, Silvanus Phillips, 1851– 537.835 Q403

63561 . . . . Dynamo-electric machinery; a manual for students of electrotechnics, by Silvanus P. Thompson . . . . Seventh edition. Volume 1–[II]. . . . . New York, Spon & Chamberlain; [etc., etc.], 1904–1905.

2 vol. 22½cm. (*Half-title:* Finsbury technical manuals.)

At head of title, vol. 1: Authorized edition.

Contents. — vol. 1. Continuous-current machines. 1904. xii, 984 p. 573 illus., xxx fold. pl. (incl. diagrs.) — vol. 2. Alternating-current machinery. 1905. xix, [1], 848 p. front., 546 illus., 15 pl., xxiv fold. diagr.

537.837 Alternating currents

Houston, Edwin James, 1844– 537.837 Q603

63525 . . . . Alternating electric currents, by Edwin J. Houston, PH.D. and A. E. Kennelly, SC.D. Fourth edition, enlarged. New York, McGraw Publishing Company, 1906.

viii, [5]–359 p. illus., diagrs. 17½cm. (Elementary electro-technical series.)

537.839 Wiring

Steinmetz, Charles Proteus. 537.837 Q001

28266 Theory and calculation of alternating currents phenomena. By Charles Proteus Steinmetz, with the assistance of Ernst J. Berg. Third edition, revised and enlarged. xx,525 p. il. O. New York: Electrical World & Engineer, 1900.

Knox, Charles Edwin, 1871– 537.839 Q700

67983 Electric light wiring, by C. E. Knox . . . . New York, McGraw Publishing Company, 1907.

v, 219 p. illus., diagrs. (partly fold.) 24½cm.

Perrine, Frederic Auten Combs, 1862– 537.839 Q203

63560 Conductors for electrical distribution; their materials and manufacture, the calculation of circuits, pole-line construction, underground working, and other uses. By F. A. C. Perrine . . . . New York, D. Van Nostrand Company; London, Crosby, Lockwood & Son, 1903.

[2], vii, 287 p. illus., diagr. 24cm.
5 fold. diagr. in pocket.

Urquhart, John W. 537.839 P701

19698 Electric light fitting. A handbook for working electrical engineers, embodying practical notes on installation management. Third edition, revised, with further additions. xiii,316 p. 95 il. 1 pl. 1 table. D. London: C. Lockwood & Son, 1898.

537.84 Power transmission

Bell, Louis, 1864– 537.84 Q606

67986 Electric power transmission; a practical treatise for practical men, by Louis Bell . . . . Fifth edition, revised and enlarged. New York, McGraw Publishing Co., 1907.

[8], 723 p. incl. illus., tables, diagrs. XXIV pl. (incl. front.) 23½cm.

537.845 Electric furnaces

Wright, J 537.845 Q400

48024 Electric furnaces and their industrial applications. By J. Wright. With 57 illustrations. London, A. Constable & Co., ltd., 1904.

ix, [1], 288 p. 57 illus. 22cm.

537.85 Electro-metallurgy

Blount, Bertram. 537.85 Q002

28940 Practical electro-chemistry. xi,373,[1] p. il. O. Westminster: A. Constable & Co., 1901.

Borchers, Wilhelm *i.e.* **Johannes Albert Wilhelm,** 1856– **537.85 Q401** 537.85 Electro-metallurgy
63522

Electric smelting and refining: the extraction and treatment of metals by means of the electric current. By Dr. W. Borchers. Translated from the third German edition, with additions, by Walter G. McMillan .... Second English edition. With 4 plates and numerous illustrations in the text. London, C. Griffin and Co., ltd., 1904.

xxiii, 562 p. illus., IV pl. (partly fold.), diagrs. 22cm.

Langbein, Georg. **537.85 Q400**
63523 A complete treatise on the electro-deposition of metals: comprising electro-plating and galvanoplastic operations, the deposition of metals by the contact and immersion processes, the coloring of metals, the methods of grinding and polishing .... Translated from the fifth German edition of Dr. George Langbein .... With additions by William T. Brannt .... Fifth edition, in great part re-written and much enlarged. Illustrated by one hundred and seventy engravings. Philadelphia, H. C. Baird & Co., 1905.

xxxiv, 660 p. front., illus. 24cm.

McMillan, Walter G. **537.85 P901**
22711 A treatise on electro-metallurgy: embracing the application of electrolysis to the plating, depositing, smelting, and refining of various metals, and to the reproduction of printing surfaces and art-work, etc. Second edition. Revised and enlarged. xix, 440 p. 109 il. O. [Griffin's scientific text-books.] London: C. Griffin & Co., 1899.

Treadwell, Augustus. **537.86 P801** 537.86 Storage batteries
17718 The storage battery. A practical treatise on the construction, theory, and use of secondary batteries. xix,[1],257 p. 117 il. 1 pl. 1 table. D. New York: The Macmillan Co., 1898.

Neumayer, Georg. **L538.7 P100** 538.7 Terrestial magnetism
12790 Atlas des Erdmagnetismus. 20 p. il. 5 maps. F4. (BERGHAUS' PHYSIKALISCHER ATLAS. [Dritte Ausgabe.] Abteilung 4.) Gotha: J. Perthes, 1891.

539 MOLECULAR PHYSICS

Risteen, Allan Douglas. **539.1 P500**
16683 Molecules and the molecular theory of matter. viii,223 p. 52 il. O. Boston, U. S. A.: Ginn & Co., 1896.

540 CHEMISTRY

Attfield, John, 1835– **540.2 Q602**

68259 Chemistry: general, medical, and pharmaceutical, including the chemistry of the U. S. pharmacopœia. A manual on the science of chemistry, and its applications in medicine and pharmacy. By John Attfield ... Edited by Leonard Dobbin .... Nineteenth edition. Philadelphia and New York, Lea Brothers & Co., 1906.

xx, 17–756 p. illus., fold. tables. 21cm.

Bartley, Elias Hudson. **540.2 P802**

20650 Text-book of medical and pharmaceutical chemistry. Fifth edition, revised and enlarged. 738 p. 96 il. 1 table. O. Philadelphia: P. Blakiston's Son & Co., 1899.

Dammer, Otto. **660.2 P501**

7124 Handbuch der chemischen Technologie. .... 5 vol. il. O. Stuttgart: F. Enke, 1895–1898.

Graham, Thomas, 1805–1869. **540.2 M800**

13827 Graham-Otto's Ausführliches Lehrbuch der Chemie. Erster–[fünfter] Band. .... Braunschweig, F. Vieweg & Sohn, 1868–1898.

5 vol. in 10. 22½cm.

Contents. — 1. Bd. Lehrbuch der physikalischen und theoretischen Chemie, von Dr. A. Horstmann, Dr. H. Landolt und Dr. A. Winkelmann. Dritte, gänzlich umgearbeitete Auflage des in den früheren Auflagen von Buff, Kopp und Zamminer bearbeiteten Werkes. In drei Abtheilungen. 1885–1898. 3 vol. illus. — 2. Bd. Ausführliches Lehrbuch der anorganischen Chemie, von Dr. A. Michaelis. Auf Grund von Otto's Ausführlichem Lehrbuch der Chemie neu bearbeitet. Fünfte umgearbeitete Auflage. In vier Abtheilungen. 1878–1889. 4 vol. illus., 9 diagr. (partly fold.) — 3–5. Bd. Ausführliches Lehr- und Handbuch der organischen Chemie, von Dr. Hermann Kolbe. Erster–[zweiter] Band: Zweite umgearbeitete und vermehrte Auflage von Dr. Ernst von Meyer. 1880–1884. Dritter Band. Erste Abtheilung bearbeitet von Dr. E. von Meyer und Dr. A. Weddige. 1878. Zweite Abtheilung bearbeitet von H. von Fehling. 1868. 3 vol.

Mendeliëev, Dmitriĭ [Ivanovich], 1834– **540.2 Q501**

48216 The principles of chemistry, by D. Mendeléeff. Third English edition. Translated from the Russian (seventh edition) by George Kamensky, ... and edited by Thomas H. Pope, ... In two volumes. .... London, New York, [etc.], Longmans' Green, and Co., 1905.

2 vol. front. (port.), illus. incl. diagrs. 23½cm.

Remsen, Ira. **540.2 Q102**

50286 A college text-book of chemistry. By Ira Remsen .... New York, H. Holt and Co., 1901.

xx, 689 p. illus. 20cm.

Roscoe, *Sir* Henry Enfield, 1833– **540.2 Q505** 540 Chemistry

63973 A treatise on chemistry, by Sir H. E. Roscoe, F.R.S. and C. Schorlemmer .... London, New York, Macmillan and Co., ltd., 1905–.

Vol. 1–. front. (port.) illus., diagrs. 22½cm.

Vol. 1: First edition, 1877. Reprinted 1878, 1881, 1884, 1888, 1892; second edition, 1894; third edition, 1905.

Vol. 1: The non-metallic elements. New edition completely revised by Sir H. E. Roscoe assisted by Drs. H. G. Colman and A. Harden.

Wurtz, Adolphe. **540 2 P605**

11490 Elements of modern chemistry. By Charles Adolphe Wurtz. Fifth American Edition. Revised and enlarged by Wm. H. Greene, and Harry F. Keller. 808 p. 136 il. 1 por. 1 table. D. Philadelphia: J. B. Lippincott Co., 1896.

Muir, Matthew Moncrieff Pattison, **540.3 O800** 540.3 Chemical dictionaries

1201 **& Morley, H. Forster,** *editors.*

Watts' dictionary of chemistry, revised and entirely rewritten .... [With addenda.] 4 vol. il. O. London: Longmans, Green, & Co., 1890–1894.

Vol. 1: second edition; vol. 3: new edition.

Neues Handwörterbuch. **540.3 N100**

13182 Neues Handwörterbuch der Chemie. Auf Grundlage des von Liebig, Poggendorff und Wöhler, Kolbe und Fehling herausgegebenen Handwörterbuchs der reinen und angewandten Chemie und unter Mitwirkung von mehren Gelehrten bearbeitet .... Vol. 1–. il. O. Braunschweig: F. Vieweg & Sohn, 1874–.

Vol. 1–3 edited by Herman von Fehling; vol. 4– by Carl Hell.

Thorpe, Thomas Edward, *editor.* **660.3 P100**

1200 A dictionary of applied chemistry. .... 3 vol. il. O. London: Longmans, Green, & Co., 1893–1895.

Vol. 1: third edition, 1894. Vol. 2: second edition, 1895. Vol. 3: 1893.

Wurtz, Adolphe. **L540.3 M800**

1739 Dictionnaire de chimie, pure et appliquée. Comprenant: la chimie organique et inorganique; la chimie appliquée à l'industrie, à l'agriculture et aux arts: la chimie analytique, la chimie physique et la minéralogie. 3 vol. in 5. il. pl. Q. Paris: Hachette & Cie, 1870–1878.

Wurtz, Adolphe. **L540.3 M800**

5929 Dictionnaire de chimie, pure et appliquée. .... Supplément. 2 vol. il. pl. Q. Paris: Hachette & Cie, [1880–1886].

Wurtz, Adolphe. **L540.3 M800**

9317 Deuxième supplément au Dictionnaire de chimie, pure et appliquée. Publié sous la direction de Ch. Friedel. .... Vol. 1–. il. Q. Paris: Hachette & cie, 1892–.

540.5 Chemical year-books

Van Nostrand's Chemical annual. 540.51 5

56321 Van Nostrand's Chemical annual . . . . A hand-book of useful data for analytical, manufacturing, and investigating chemists, and chemical students. . . . . New York, D. Van Nostrand Company, 1907–.

Continued from vol. 1, 1907. front. (port.) 19cm.

540.7 Teaching of chemistry

Smith, Alexander, 1865– 507 Q200

67981 . . . . The teaching of chemistry and physics in the secondary schools, by Alexander Smith . . . and Edwin H. Hall . . . . New York, London, [etc.], Longmans, Green, and Co., 1902.

xiii, 377 p. illus., diagr. 20½cm. (American teachers series.)

Contains short bibliographies.

540.8 Chemical tables

For chemical tables see 530.8 Physical-chemical tables.

540.9 History of chemistry

Meyer, Ernst [Sigismund Christian] von, 1847– 540.9 Q602

56816 A history of chemistry from earliest times to the present day, being also an introduction to the study of the science. By Ernst von Meyer, ... Translated with the author's sanction by George McGowan, ... Third English edition, translated from the third German edition, with various additions and alterations. London, New York, Macmillan and Co., ltd., 1906.

xxvii, 691 p. 22½cm.

Tilden, William Augustus. 540.9 P900

19521 A short history of the progress of scientific chemistry in our own times. x,276 p. il. pl. D. London: Longmans, Green, & Co., 1899.

540.92 Biographies of chemists

Muir, Matthew Moncrieff Pattison. 540.92 M89

16948 Heroes of science. Chemists. . . . . vii,332 p. 8 il. D. London: Society for Promoting Christian Knowledge, 1883.

Roscoe, *Sir* **Henry Enfield.** 540.9221 R71

10987 John Dalton and the rise of modern chemistry. 216 p. il. 1 por. 2 facsim. D. (Century science series.) London: Cassell & Co., 1895.

541 Theoretical and physical chemistry

Berthelot, Marcelin Pierre Eugène, 1827– L541.16 P700

50287 Thermochimie; données et lois numériques, par M. Berthelot . . . . Tome I–[II]. . . . . Paris, Gauthier-Villars et fils, 1897.

2 vol. 25½cm.

Authorities cited for all data in vol. 2.

Contents. — t. 1. Les lois numériques. vii, 737 p. — t. 2. Les données expérimentales. [4], 878, [2] p.

Dobbin, Leonard, & **Walker, James.** 541 P200

13823 Chemical theory for beginners. viii,240 p. il. 1 table. S. [Macmillan's school class books.] London: Macmillan & Co., 1896.

Jones, Harry Clary, 1865– **541.1 Q702** 541 Theoretical and physical chemistry

62805 The elements of physical chemistry, by Harry C. Jones ... Third edition, revised and enlarged. New York, London, The Macmillan Company, 1907.

xi, 650 p. illus., diagrs. 23cm.

Meyer, Lothar von. **541 O401**

15761 Modern theories of chemistry. Translated from the German (5th edition) by P. Phillips Bedson and W. Carleton Williams. xliii,587 p. 1 table. O. London: Longmans, Green, & Co., 1888.

Muir, Matthew Moncrieff Pattison. **541 P300**

4961 The chemistry of fire. viii,163 p. 17 il. D. [University extension series.] London: Methuen & Co., 1893.

Muir, Matthew Moncrieff Pattison, 1848– **541 Q603**

65351 A history of chemical theories and laws, by M. M. Pattison Muir .... First edition .... New York, J. Wiley & Sons; [etc., etc.], 1907, [c1906].

xx, 555 p. 23½cm.

"Titles of journals referred to in this book," p. xi–xii.

Contents. — pt. I. The history of the attempts to answer the question, what is a homogeneous substance? — pt. II. The history of the attempts to answer the question, what happens when homogeneous substances interact?

Muir, Matthew Moncrieff Pattison. **541 O400**

1527 A treatise on the principles of chemistry. Second edition. xxvii,[1],490 p. 49 il. O. Cambridge: University Press, 1889.

Nernst, Walther *i.e.* **Hermann Walther,** 1864– **541 Q304**

48191 Theoretical chemistry from the standpoint of Avogadro's rule & thermodynamics, by Prof. Walter Nernst, ... Revised in accordance with the fourth German edition. London, New York, Macmillan and Co., ltd., 1904.

xxiv, 771, [1] p. illus. 22½cm.

"The first edition of the German text was translated by Prof. C. S. Palmer, ..." Re-edited and the new matter contained in the fourth German edition translated by Robert A. Lehfeldt. *cf.* Translator's pref.

Remsen, Ira. **541 P600**

5597 The principles of theoretical chemistry, with special reference to the constitution of chemical compounds. Fifth edition, thoroughly revised. 326 p. O. Philadelphia: Lea Brothers & Co., 1897.

Walker, James, 1863– **541 Q302**

50163 Introduction to physical chemistry, by James Walker ... Third edition. London, New York, Macmillan and Co., ltd., 1903.

xii, 368 p. diagrs. 22½cm.

541.17 Electrochemistry

Arrhenius, Svante August, 1859– **541.17 Q104**

50203 Text-book of electrochemistry, by Svante Arrhenius .... Translated by John McCrae, PH.D. With numerous diagrams. London, New York and Bombay, Longmans, Green, and Co., 1902.

xi, 344 p. diagrs. 22½cm.

Based on a series of lectures delivered at the University of Stockholm in 1897.

A translation of Dr. H. Euler's German translation from the original Swedish.

"Literature references," p. [313]–321.

Le Blanc, Max Julius Louis, 1865– **541.17 Q704**

65352 A text-book of electro-chemistry, by Max Le Blanc .... Translated from the fourth enlarged German edition, by Willis R. Whitney ... and John W. Brown .... New York, London, The Macmillan Company, 1907.

xiv, [2], 338 p. incl. tables, diagrs. 23cm.

541.7 Stereochemistry

Hoff, Jacobus Henricus van 't. **541.7 P400**

13712 The arrangement of atoms in space. Second revised and enlarged edition. With a preface by Johannes Wislicenus and an appendix: Stereochemistry among inorganic substances by Alfred Werner. Translated and edited by Arnold Eiloart. xi,211 p. il. D. London: Longmans, Green, & Co., 1898.

541.8 Solubility

Comey, Arthur Messenger. **541.8 P500**

1316 A dictionary of chemical solubilities inorganic. xx,515 p. O. London: Macmillan & Co., 1896.

Morgan, John Livingston Rutgers. **541.8 P700**

7610 An outline of the theory of solution and its results. For chemists and electricians. First edition. .... vii,63 p. D. New York: J. Wiley & Sons, 1897.

Seidell, Atherton, 1878– **541.8 Q701**

65353 Solubilities of inorganic and organic substances; a handbook of the most reliable quantitative solubility determinations, recalculated and compiled by Atherton Seidell .... New York, D. Van Nostrand Company, 1907.

x, 367 p. 24½cm.

"This volume went to press January 1st, 1907, and the subject matter is brought up to November, 1906." — Pref.

541.9 Chemical arithmetic

Wells, Horace Lemuel, 1855– **541.9 Q500**

65354 A text-book of chemical arithmetic, by Horace L. Wells .... First edition .... New York, J. Wiley & Sons; London, Chapman & Hall, ltd., 1905.

vii, 169 p. 19cm.

Threlfall, Richard. **542.2 P800** 542 Laboratory chemistry

18901 On laboratory arts. xii,338 p. 91 il. D. [Macmillan's manuals for students.] London: Macmillan & Co., 1898.

Contents: 1. Hints on the manipulation of glass and on glass-blowing for laboratory purposes. Appendix. On the preparation of vacuum tubes for the production of Professor Röntgen's radiation. 2. Glass-grinding and opticians' work. 3. Miscellaneous processes. 4. Electroplating and allied arts. Appendix. Platinising glass.

Allen, Alfred Henry, 1847–1904. **543.02 P204** 543 Chemical analysis

12568 Commercial organic analysis. A treatise on the properties, proximate analytical examination, and modes of assaying the various organic chemicals and products employed in the arts, manufactures, medicine, with concise methods for the detection and determination of their impurities, adulterations, and products of decomposition by Alfred H. Allen, ... Volume 1–[IV]. . . . . Philadelphia, P. Blakiston's Son & Co., 1892–1907.

4 vol. in 8. illus. 23cm.

Contents. — vol. 1. Introduction, alcohols, neutral alcoholic derivatives, sugars, starch and its isomers, vegetable acids, &c. Third edition, illustrated, with revisions and addenda by the author and Henry Leffmann. 1898. xii, 17–557 p. illus., 1 pl. — vol. 2. pt. 1. Fixed oils, fats, waxes, glycerol, nitroglycerin and nitroglycerin explosives. Third edition, illustrated. With revisions and addenda by the author and Henry Leffmann. 1899. x, 17–387 p. 15 illus. pt. 2. Hydrocarbons, petroleum, and coal-tar products, asphalt, phenols and creosotes. Third edition, illustrated. With revisions and additions by the author and Henry Leffmann. 1900. viii, 17–330 p. 17 illus. pt. 3. Acid derivatives of phenols, aromatic acids, resins, and essential oils. Third edition, revised by the author and Arnold Rowsby Tankard. 1907. xii, [2], 547 p. — vol. 3. pt. 1. Tannins, dyes, and coloring matters, writing inks. Third edition, rewritten and enlarged. Revised and edited by J. Merritt Matthews. 1900. [4, xi]–xvi, 17–589 p. 2 illus. pt. 2. Amines and ammonium bases, hydrazines, bases from tar, vegetable alkaloids. 1892. Second edition, revised and enlarged. viii, 584 p. pt. 3. Vegetable alkaloids (concluded), non-basic vegetable bitter principles, animal bases, animal acids, cyanogen and its derivatives. Second edition, revised and enlarged. 1896. xii, 508 p. 25 illus. — vol. 4. Proteids and albuminous principles, proteoïds or albuminoïds. Second edition, revised and enlarged. 1898. xi, [9]–584 p. 35 illus., 1 fold. diagr.

Böckmann, Friedrich, *editor.* **543.02 P300**

12516 Chemisch-technische Untersuchungsmethoden der Gross-Industrie, der Versuchsstationen und Handelslaboratorien. . . . . Dritte vermehrte und umgearbeitete Auflage. 2 vol. il. O. Berlin: J. Springer, 1893.

Crookes, *Sir* **William,** 1832– **543.02 Q502**

68255 Select methods in chemical analysis (chiefly inorganic) by Sir William Crookes . . . . Fourth edition, rewritten and enlarged . . . . London, New York and Bombay, Longmans, Green, and Co., 1905.

xxiv, 738 p. illus., tables. 23cm.

543 Chemical analysis

Kershaw, John Baker Cannington. 543.02 Q702

60561 Fuel, water and gas analysis for steam users, by John B. C. Kershaw, ... With 50 illustrations. New York, D. Van Nostrand Company, 1907.

xi, 167, [1] p. 50 illus. incl. diagrs. 22cm.

Lewkowitsch, Julius. 543.02 Q406

50219 Chemical technology and analysis of oils, fats, and waxes, by Dr. J. Lewkowitsch . . . . Third edition, entirely rewritten and enlarged. London, New York, Macmillan and Co., ltd., 1904.

2 vol. illus., fold. tables. 23cm.

Paged continuously; vol. I: xvi, 427 p.; vol. II: xii, 429–1152 p.

Lewkowitsch, Julius. 543.02 Q103

33398 The laboratory companion to fats and oils industries. xi,147 p. O. London: Macmillan & Co., 1901.

Lunge, Georg, 1839– , *ed.* 543.02 Q404

62021 Chemisch-technische Untersuchungsmethoden. Mit Benutzung der früheren von Dr. Friedrich Böckmann bearbeiteten Auflagen, und unter Mitwirkung von E. Adam, F. Barnstein, [u. a.] . . . herausgegeben von Dr. Georg Lunge . . . Fünfte vollständig umgearbeitete und vermehrte Auflage. Berlin, J. Springer, 1904–1905.

3 vol. illus., plates, tables. 24cm. *and* 3 suppl. (tables) 23cm.

The tables appear twice, once in the text and again in a special supplement (printed on one side of leaf only) accompanying each volume.

Short bibliographies on special subjects with some of the chapters.

Newth, G. S. 543.02 P900

21186 A manual of chemical analysis, qualitative and quantitative. New edition. xiv,472 p. 102 il. D. London: Longmans, Green, & Co., 1899.

Post, Julius, *editor.* 543.02 0803

17726 Chemisch-technische Analyse. Handbuch der analytischen Untersuchungen zur Beaufsichtigung des chemischen Grossbetriebes und zum Unterrichte. . . . . Zweite vermehrte und verbesserte Auflage. 2 vol. il. pl. O. Braunschweig: F. Vieweg & Sohn, 1888–1891.

Richards, Ellen Henrietta (Swallow), "*Mrs.* **R. H. Richards,"** 1842– 543.02 Q401

50164

Air, water, and food from a sanitary standpoint. By Ellen H. Richards and Alpheus G. Woodman . . . . Second edition, revised and enlarged. New York, J. Wiley & Sons; [etc., etc.], 1904.

[6], 262 p. illus., plate, fold. map, diagrs. 23½cm.

Bibliography, p. 247–253.

Smith, William Robert. 543.02 P602 543 Chemical analysis

7770 The laboratory text-book of public health. xx,322 p. 82 il. 9 pl. O. London: H. Renshaw, 1896.

Stillman, Thomas Bliss, 1852– 543.02 Q500

82007 Engineering chemistry; a manual of quantitative chemical analysis, for the use of students, chemists & engineers. Third edition. By Thomas B. Stillman . . . . With one hundred & thirty-nine illustrations. Easton, Pa., Chemical Publishing Co., 1905.

6, [v]–xxii, 597 p. illus., diagrs. 23½cm.

Trotman, Samuel Russell. 543.02 Q801

64625 Leather trades chemistry. A practical manual on the analysis of materials and finished products. By S. R. Trotman, ... With four plates and forty-eight illustrations. London, C. Griffin & Co., ltd., 1908.

x, 290 p. 48 illus. incl. diagrs., IV pl., 3 fold. tables. 23cm.

Ulzer, Ferdinand, & Fraenkel, A. 543.02 P705

18254 Introduction to chemical-technical analysis. (Authorized translation), with appendix by the translator, Hermann Fleck. vii, 188 p. 13 il. O. Philadelphia: P. Blakiston's Son & Co., 1898.

Wiley, Harvey Washington, 1847– 543.02 Q603

61937 Principles and practice of agricultural analysis; a manual for the study of soils, fertilizers, and agricultural products; for the use of analysts, teachers, and students of agricultural chemistry. Second edition, revised and enlarged. . . . . By Harvey W. Wiley . . . . Easton, Pa., The Chemical Publishing Co., 1906–.

Vol. 1–. illus., plates, diagrs. 23cm.

Wright, Charles Rowley Alder, 1844–1894. 665 Q300

45795 Animal and vegetable fixed oils, fats, butters, and waxes: their preparation and properties, and the manufacture therefrom of candles, soaps, and other products. By C. R. Alder Wright, ... Second edition, edited and partly re-written by C. Ainsworth Mitchell, ... With 2 plates and 154 illustrations. London, C. Griffin & Co., ltd., 1903.

xvi, 804 p. front. (port.), 154 illus. incl. diagrs., 1 pl. 23cm. (*On cover:* Griffin's scientific text-books.)

Cover-title: Oils, fats, waxes, and their manufactured products.

Cohn, Alfred Isaac. 543.08 3 543.08 Chemical tests

42122 Tests and reagents chemical and microscopical known by their authors' names, together with an index of subjects. Compiled for the use of chemists, microscopists, pharmacists, students, etc., by Alfred I. Cohn, PH.G. . . . . First edition. New York, J. Wiley & Sons; London, Chapman & Hall, limited, 1903.

[4], 383 p. 23½cm.

543.1 Food analysis

Blyth, Alexander Wynter. 543.1 Q300

50263 Foods: their composition and analysis. A manual for the use of analytical chemists and others. With an introductory essay on the history of adulteration. By Alexander Wynter Blyth ... and Meredith Wynter Blyth .... Fifth edition, thoroughly revised, enlarged and rewritten. London, C. Griffin & Co., ltd., 1903.
xxv, 616 p. incl. illus., tables, diagrs. 5 pl. (incl. front.), fold. table. 23cm.

Jago, William. 641 P502

5291 A text-book of the science and art of bread-making; including the chemistry and analytic and practical testing of wheat, flour, and other materials employed in baking. 11,648 p. 81 il. 14 pl. O. London: Simpkin, ... , Kent & Co., 1895.

König, Joseph. 643 Q300

38181 Chemie der menschlichen Nahrungs- und Genussmittel. Von Dr. J. König, ... Vierte verbesserte Auflage. Mit in den Text gedruckten Abbildungen. Berlin, J. Springer, 1903–.
Vol. 1–. illus. 24½cm.

Leach, Albert Ernest, 1864– L543.1 Q401

62397 Food inspection and analysis. For the use of public analysts, health officers, sanitary chemists, and food economists. By Albert E. Leach .... First edition. .... New York, J. Wiley & Sons; [etc., etc.], 1904.
xiv, 787 p. illus., XL pl. 26cm.
"References" at end of each chapter.

Richmond, Henry Droop. 637 P901

22645 Dairy chemistry: a practical handbook for dairy chemists and others having control of dairies. xix,384 p. 22 il. 5 tables. O. London: C. Griffin & Co., 1899.

543.3 Water Analysis

Rideal, Samuel, 1863– 628.16 Q102

50292 Water and its purification; a handbook for the use of local authorities, sanitary officers, and others interested in water supply; by Samuel Rideal ... . Second edition, revised and extended. London, C. Lockwood and Son, 1902
xvi, 346 p. illus., 2 fold. tables, 3 fold. diagr. 20cm.

Wanklyn, James Alfred, & Chapman, Ernest Theophron. 543.3 P600

12332 Water-analysis. A practical treatise on the examination of potable water. Tenth edition. Revised and partly rewritten by J. Alfred Wanklyn. 205 p. il. D. London: Kegan Paul, ... , & Co., 1896.

Hoffmann, Frederick, & Power, Frederick B. **543.4 O300** 543.4 Analysis of medicines

14386 A manual of chemical analysis as applied to the examination of medicinal chemicals. A guide for the determination of their identity and quality, and for the detection of impurities and adulterations. . . . . Third edition, thoroughly revised and greatly enlarged. 624 p. 179 il. O. Philadelphia: H. C. Lea's Son & Co., 1883.

Blyth, Alexander Wynter. **543.5 Q600** 543.5 Analysis of poisons

57468 Poisons: their effects and detection. By Alexander Wynter Blyth, . . . , and Meredith Wynter Blyth, ... Fourth edition, thoroughly revised, enlarged, and rewritten. With tables and illustrations. London, C. Griffin and Co., ltd., 1906.

xxxii, 772 p. illus. 23cm.

"Bibliography of the chief works on toxicology (nineteenth century)," p. 16–19.

Blair, Andrew Alexander. **543.7 Q100** 543.7 Analysis of mineral substances

30278 The chemical analysis of iron. A complete account of all the best known methods for the analysis of iron, steel, pig-iron, iron ore, limestone, slag, clay, sand, coal, coke, and furnace and producer gases. Fourth edition. 319 p. 105 il. O. Philadelphia: J. B. Lippincott Co., 1901.

Carnot, Adolphe *i. e.* **Marie Adolphe,** 1839– **L543.7 P801**

21554 Traité d'analyse des substances minérales, par Adolphe Carnot . . . . Tome premier–[second]. . . . . Paris, Vve C. Dunod, 1898–1904.

2 vol. illus. 25cm.

Contents.—vol. 1. Méthodes générales d'analyse qualitative et quantitative. 1898. [4], 992 p. 357 illus.—vol. 2. Métalloïdes. 1904. [4], 821, [2] p. 81 illus.

Matthews, Joseph Merritt, 1874– **677 Q700** 543.8 Analysis of vegetable substances

63983 The textile fibres; their physical, microscopical and chemical properties, by J. Merritt Matthews . . . . Second edition, rewritten. . . . . New York, J. Wiley & Sons; [etc., etc.], 1907.

viii, 480 p. incl. illus., tables. 23½cm.

"Bibliography of the textile fibres," p. 431–438.

Fresenius, Carl Remigius. **544 P400** 544 Qualitative analysis

12507 Manual of qualitative chemical analysis. Authorized translation by Horace L. Wells. New edition, thoroughly revised from the sixteenth German edition. . . . . xvii,748 p. 48 il. 1 table. O. New York: J. Wiley & Sons, 1897.

Noyes, Arthur Amos. **544 P700**

7045 A detailed course of qualitative chemical analysis of inorganic substances, with explanatory notes. Third revised and enlarged edition. 89 p. O. New York: Macmillan Co., 1897.

544.3 Blow-pipe analysis

Endlich, Frederick M. 544.3 P201

13226 Manual of qualitative blowpipe analysis and determinative mineralogy. Second edition. xv,11–456 p. il. 1 table. O. New York: Scientific Publishing Co., 1895.

Plattner, Karl Friedrich, 1800–1858. 544.3 Q200

68256 Plattner's manual of qualitative and quantitative analysis with the blowpipe; translated by Henry B. Cornwall, ... assisted by John H. Caswell, ... Eighth edition revised after the sixth German edition, by Professor Friedrich Kolbeck, ... with eighty-seven woodcuts. New York, D. Van Nostrand Company, 1902.
xvii, 463 p. illus. 23½cm.

See also 549.1 Determinative mineralogy.

545 Quantitative analysis

Cairns, Frederick Augustus. 545 P602

6300 A manual of quantitative chemical analysis for the use of students. Third edition, revised and enlarged by Elwyn Waller. xii,417 p. il. 1 table. O. New York: H. Holt & Co., 1896.

Classen, Alexander, 1843– 545.3 Q300

50295 Quantitative chemical analysis by electrolysis, by Prof. Alexander Classen ... authorized translation fourth English from the fourth German edition, revised and enlarged by Bertram B. Boltwood .... New York, J. Wiley & Sons; London, Chapman & Hall, ltd., 1903.
vii, 315 p. illus., plates, diagr. 23½cm.
Contains short bibliographies.

Fresenius, Carl Remigius. 545 O100

7291 A system of instruction in quantitative chemical analysis. [Second American edition.] From the last English and German editions. Edited by O. D. Allen, with the coöperation of Samuel W. Johnson. xvi,883 p. 107 il. O. New York: J. Wiley & Sons, 1897, c. 1881.

Mohr, Friedrich. 545.5 P600

16254 Friedrich Mohr's Lehrbuch der chemisch-analytischen Titrirmethode. Von Dr. Alexander Classen. Siebente umgearbeitete und vermehrte Auflage. xviii,906 p. 191 il. O. Braunschweig: F. Vieweg & Sohn, 1896.

Neumann, Bernhard. 545.3 P702

20819 The theory and practice of electrolytic methods of analysis. Translated by John B. C. Kershaw. x,254 p. 37 il. D. [Specialists' series.] London: Whittaker & Co., 1898.

Sutton, Francis. 545·5 Q001 545 Quantitative analysis

27070 A systematic handbook of volumetric analysis; or, The quantitative estimation of chemical substances by measure, applied to liquids, solids, and gases. . . . . Eighth edition, enlarged and improved. xi,[1],640 p. 116 il. O. Philadelphia: P. Blakiston's Son & Co., 1900.

Talbot, Henry Paul. 545 P901

23486 An introductory course of quantitative chemical analysis, with explanatory notes and stoichiometrical problems. Third edition. Revised and enlarged. 153 p. il. O. New York: Macmillan Co., 1899.

Gill, Augustus Herman, 1864– 545·7 Q200 545.7 Gas analysis

50243 Gas and fuel analysis for engineers. A compend for those interested in the economical application of fuel. Prepared especially for the use of students at the Massachusetts Institute of Technology. By Augustus H. Gill . . . . Third edition, revised and enlarged. . . . . New York, J. Wiley & Sons; London, Chapman & Hall, ltd., 1902.

v, [1], 109 p. illus., diagr. 19cm.

Buchka, Karl von. L546 P200 546 Inorganic chemistry

10215 Physikalisch-chemische Tabellen der anorganischen Chemie. Ergänzungsband zu "O. Dammer's Handbuch der anorganischen Chemie". viii,348 p. Q. Stuttgart: F. Enke, 1895.

Dammer, Otto, *editor.* L546 P200

10214 Handbuch der anorganischen Chemie. . . . . 4 vol. in 5. il. Q. Stuttgart: F. Enke, 1892–1903.

Vol. 4 has subtitle: Die Fortschritte der anorganischen Chemie in den Jahren 1892–1902.

Kaiser, *Dr.* —. Synchronistische Zusammenstellung der wichtigsten chemischen Zeitschriften, vol. 1, p. 735–745.

Freer, Paul Caspar. 546 P400

1700 Descriptive inorganic general chemistry. . . . . Revised edition. ix,550 p. 54 il. O. Boston: Allyn & Bacon, 1894.

Oswald, Wilhelm [Friedrich], 1853– 546 Q415

49176 The principles of inorganic chemistry. By Wilhelm Ostwald. Translated with the author's sanction, by Alex. Findlay, ... With 126 figures in the text. Second edition. London, New York, Macmillan and Co., ltd., 1904.

xxxi, 799 p. 126 illus. incl. diagrs. 22½cm.

Ramsay, William, *F.R.S.* 546 P101

11145 A system of inorganic chemistry. xv,700 p. 56 il. O. London: J. & A. Churchill, 1891.

546 Inorganic chemistry

Remsen, Ira. **546 O900**

1544 Inorganic chemistry. Second edition, revised. xxi,827 p. 78 il. O. (American science series. Advanced course.) New York: H. Holt & Co., 1890.

Thorpe, Thomas Edward. **546 P800**

19318 A manual of inorganic chemistry. . . . . New edition. 2 vol. il. D. London: W. Collins, Sons, & Co., 1898.

547 Organic chemistry

Beilstein, Friedrich Konrad, 1838– **L547.02 P301**

12515 Handbuch der organischen Chemie, von Dr. F. Beilstein . . . . Dritte, umgearbeitete Auflage. Erster–[vierter] Band. Hamburg und Leipzig, L. Voss, 1893–1899.

4 vol. 26½cm.

———. Ergänzungsbände . . . . Herausgegeben von der Deutschen chemischen Gesellschaft, redigirt von Paul Jacobson. Erster–[fünfter] Ergänzungsband. . . . . Hamburg, 1900–1906.

5 vol. 27cm.

"Verzeichniss der Litteratur-Quellen mit ihren Abkürzungen für das Hauptwerk und die Ergänzungsbände," vol. 1, p. xxiii; vol. 2, p. [xiii]–xiv; vol. 3, p. [xvii]–xviii; vol. 4, p. [xv]–xvi.

"Zeittafel der für die chemische Litteratur wichtigsten Journale von 1850–1899," vol. 1, p. 9.

Bernthsen, August. **547.02 P302**

13016 A text-book of organic chemistry. Translated by George M'Gowan. Third English edition revised and extended by author and translator. xix,[1],596 p. il. D. London: Blackie & Son, 1896.

Holleman, Arnold Frederik, 1859– **547.02 Q702**

65015 A text-book of organic chemistry. By A. F. Holleman . . . . Translated from the third Dutch edition by A. Jamieson Walker . . . assisted by Owen E. Mott . . . with the co-operation of the author. Second English edition, rewritten. . . . . New York, J. Wiley & Sons; London, Chapman & Hall, ltd., 1907.

xviii, 589 p. illus., diagrs. 23½cm.

Contents.—Introduction.—pt. 1. The fatty compounds.—pt. 2. The aromatic compounds and substances related to them.

Meyer, Victor, & Jacobson, Paul. **547.02 P303**

13727 Lehrbuch der organischen Chemie. . . . . Vol. 1–. il. table. O. Leipzig: Veit & Co., 1893–.

Pinner, Adolf. **547.02 O100**

15405 An introduction to the study of organic chemistry. Translated and revised from the fifth German edition by Peter T. Austen. Second revised edition. . . . . xxi,403 p. 12 il. D. New York: J. Wiley & Sons, 1894.

Richter, Victor von. **547.02 P705** 547 Organic chemistry

20805 Victor von Richter's Organic chemistry; or, Chemistry of the carbon compounds. Edited by Prof. R. Anschütz. Authorized translation by Edgar F. Smith. Third American from the eighth German edition. 2 vol. il. O. Philadelphia: P. Blakiston's Son & Co., 1899–1900.

Vol. 2 edited with the assistance of G. Schroeter.

Schorlemmer, Carl. **547.09 P400** 547.09 History of organic chemistry

11265 The rise and development of organic chemistry. Revised edition. Edited by Arthur Smithells. xxvii,280 p. il. 1 por. D. London: Macmillan & Co., 1894.

"Bibliography," p. xxv–xxvii.

Parry, Ernest John. **668.5 P901** 547.8 Vegetable chemistry

22014 The chemistry of essential oils and artificial perfumes. viii,411 p. 20 il. O. London: Scott, Greenwood & Co., 1899.

Storer, Francis Humphreys. **630.2 P700**

5906 Agriculture in some of its relations with chemistry. Seventh edition, revised and enlarged. 3 vol. O. New York: C. Scribner's Sons, 1897.

Zimmermann, Albrecht. **578.8 P300**

12093 Botanical microtechnique. A hand-book of methods for the preparation, staining, and microscopical investigation of vegetable structures. Translated from the German by James Ellis Humphrey. xii,296 p. 63 il. O. New York: H. Holt & Co., 1893.

"Literature", p. 265–283.

Bunge, Gustav von, 1844– **547.9 P803** 547.9 Physiological chemistry

50239 Text-book of physiological and pathological chemistry, by G. Bunge . . . . Second English edition; translated from the fourth German edition, by Florence A. Starling and edited by Ernest H. Starling . . . . Philadelphia, P. Blakiston's Son & Co., 1902.

xi, 447 p. 23½cm.

Halliburton, William Dobinson. **591.19 P100**

7796 A text-book of chemical physiology and pathology. xx,874 p. 104 il. O. London: Longmans, Green, & Co., 1891.

Hammarsten, Olof, 1841– **547.9 Q603**

62027 A text-book of physiological chemistry. By Olof Hammarsten ... Authorized translation from the author's enlarged and revised sixth German edition, by John A. Mandel ... Fifth edition, ... New York, J. Wiley & Sons; [etc., etc.], 1908.

viii, 845 p. incl. tables. 1 pl. 23cm.

Lewis, William James. **548 P900** 548 Crystallography

22793 A treatise on crystallography. xii,612 p. 553 il. O. [Cambridge natural science manuals. Geological series.] Cambridge: University Press, 1899.

549 MINERALOGY

Dana, Edward Salisbury. 549.02 P500

13521 Minerals and how to study them. A book for beginners in mineralogy. Second revised edition. . . . . vi,380 p. 318 il. 1 pl. D. New York: J. Wiley & Sons, 1897.

Dana, Edward Salisbury. 549.02 P802

18909 A text-book of mineralogy with an extended treatise on crystallography and physical mineralogy. New edition, entirely rewritten and enlarged. vii,593 p. 1008 il. 1 pl. O. New York: J. Wiley & Sons, 1899.

"Literature," p. 2–4, and scattered through the book.

Dana, James Dwight. L549.02 P200

7307 The system of mineralogy of James Dwight Dana, 1837–1868. Descriptive mineralogy. Sixth edition, by Edward Salisbury Dana, entirely rewritten and much enlarged. lxiii,1134 p. il. Q. New York: J. Wiley & Sons, 1896.

Bibliographical references throughout the book.

Dana, Edward Salisbury. L549.02 P900

18524 First appendix to the sixth edition of [J. D.] Dana's System of mineralogy. Completing the work to 1899. x,75 p. il. Q. New York: J. Wiley & Sons, 1899.

Bibliographical references throughout the book.

Davies, David Christopher. 553.6 P200

13718 A treatise on earthy and other minerals and mining. By D. C. Davies. Third edition, thoroughly revised and enlarged by his son E. Henry Davies. xviii,394 p. 76 il. D. London: C. Lockwood & Son, 1892.

549.03 Mineralogical dictionaries

Chester, Albert Huntington. 549.03 P600

8168 A dictionary of the names of minerals, including their history and etymology. First edition. . . . . xxxvii,[1],320 p. O. New York: J. Wiley & Sons, 1896.

With bibliographical references.

Egleston, Thomas. L549.03 P200

13571 A catalogue of minerals and synonyms. Third edition, revised and enlarged. [2],iii,[4],379 p. Q. New York: J. Wiley & Sons, 1892.

549.1 Determinative mineralogy

Brush, George Jarvis. 549.1 P800

18300 Manual of determinative mineralogy. With an introduction on blowpipe analysis. Revised and enlarged, with entirely new tables for the identification of minerals, by Samuel L. Penfield. Fifteenth edition. x,312 p. il. O. New York: J. Wiley & Sons, 1899.

See also 544.3 Blowpipe analysis.

550 GEOLOGY

Berghaus, Hermann. **L550.2 P201**

12788 Atlas der Geologie. Unter beratender Mitwirkung von Prof. Dr. K. v. Zittel bearbeitet von Dr. Hermann Berghaus. . . . . 7 p. 14 maps. F[4]. (BERGHAUS' PHYSIKALISCHER ATLAS. [Dritte Ausgabe.] Abteilung 1.) Gotha: J. Perthes, 1892.

Chamberlin, Thomas Chrowder, 1843– **550.2 Q400**

62036 . . . . Geology, by Thomas C. Chamberlin and Rollin D. Salisbury . . . . New York, H. Holt and Co., 1904–1906.

3 vol. illus., maps, fold. tables. 22[cm]. (American science series — Advanced course.)

Contents. — vol. 1. Geologic processes and their results. xix, 654 p. illus. — vol. 2. Earth history: genesis — Paleozoic. 1906. xxvi, [2], 692 p. 306 illus., 1 fold. map. — vol. 3. Earth history: Mesozoic, Cenozoic. 1906. xi, 624 p. 576 illus.

Dana, James Dwight. **550.2 P401**

12361 Manual of geology. Treating of the principles of the science with special reference to American geological history. Fourth edition. 1088 p. 1575 il. 2 maps. O. New York: American Book Co., c. 1894.

Geikie, *Sir* **Archibald,** 1835– **550.2 Q302**

61965 Text-book of geology, by Sir Archibald Geikie . . . . Fourth edition, revised and enlarged. London, New York, Macmillan and Co., ltd., 1903.

2 vol. fold. front., illus. 23½[cm].

Paged continuously; vol. 1: xxi, 702 p.; vol. 2: ix, [705]–1472 p.

First edition, 1882.

"Works of reference," p. 5–12.

[Kelvin], William Thomson, [*1st Baron*]. **504 K29**

12360 Popular lectures and addresses by Sir William Thomson. . . . . 3 vol. il. pl. D. (Nature series.) London: Macmillan & Co., 1891–1894.

Contents: Vol. 1. Constitution of matter. Vol. 2. Geology and general physics. Vol. 3. Navigational affairs.

Vol. 1 is in second edition, with additions and corrections.

Le Conte, Joseph, 1823–1901. **550.2 Q300**

50274 Elements of geology; a text-book for colleges and for the general reader, by Joseph Le Conte . . . . Revised and partly rewritten by Herman Le Roy Fairchild . . . . Fifth edition, revised and enlarged, with new plates and illustrations. New York, D. Appleton and Co., 1904, [[c]1903].

xii, 667 p. illus. (incl. maps, diagrs.) 23[cm].

550.9 History of geology

Shaler, Nathaniel Southgate. 550.2 O402

5622 A first book in geology. . . . . xvii,255 p. 127 il. D. Boston: D. C. Heath & Co., 1894, c. 1884.

Contains also chapters on the organic life on the earth.

Zittel, Karl Alfred, *Ritter* **von,** 1839–1904. 550.9 P900

50247 History of geology and palæontology to the end of the nineteenth century, by Karl Alfred von Zittel ... Translated by Maria M. Ogilvie-Gordon . . . . With thirteen portraits. London, W. Scott; New York, C. Scribner's Sons, 1901.

xiii, [2], 562 p. 13 port. (incl. front.) 19cm. (*Half-title:* The contemporary science series, edited by H. Ellis, [xlii].)

550.92 Biographies

Geikie, *Sir* **Archibald,** 1835– 550.92 G271

50216 The founders of geology, by Sir Archibald Geikie . . . . Second edition. London and New York, Macmillan and Co., ltd., 1905.

xi, 486 p. 23½cm.

Bonney, Thomas George. 550.9252 B64

12860 Charles Lyell and modern geology. 224 p. 1 por. D. (Century science series.) London: Cassell & Co., 1895.

551 Physical geography

Gilbert, Grove Karl, 1843– 551.02 Q201

50237 . . . . An introduction to physical geography, by Grove Karl Gilbert ... and Albert Perry Brigham . . . . New York, D. Appleton and Co., 1902.

xvi, 380 p. front., illus., maps. 20cm. (*Half-title:* Twentieth century text-books, ed. by A. F. Nightingale.)

Series title also at head of t.-p.

Mill, Hugh Robert, *editor.* 910.2 P900

22424 The international geography. By seventy authors. xx,1089 p. 487 il. O. London: G. Newnes, 1899.

Reclus, Elisée. L551.02 O600

5789 A new physical geography. Edited by A. H. Keane. 2 vol. il. pl. maps. Q. New York: D. Appleton & Co., 1886.

Contents: Vol. 1. The earth. A descriptive history of the phenomena of the life of the globe. Vol. 2. The ocean, atmosphere, and life.

Salisbury, Rollin D , 1859– 551.02 Q700

64545 . . . . Physiography, by Rollin D. Salisbury . . . . New York, H. Holt and Co., 1907.

xx, 770 p. incl. illus., maps, charts, diagrs. XXVI col. pl. 22½cm. (American science series — Advanced course.)

Part of plates printed on both sides.

"References" at end of most of the chapters.

Scobel, Albert. 910.2 P901 551 Physical geography

24943 Geographisches Handbuch zu Andrees Handatlas mit besonderer Berücksichtigung der politischen, wirtschaftlichen und statistischen Verhältnisse. Unter Mitwirkung von R. Credner ... herausgegeben von A. Scobel. Dritte, völlig neubearbeitete Auflage. xii,994 p. 171 il. O. Bielefeld: Velhagen & Klasing, 1899.

Shaler, Nathaniel Southgate. 551.02 P800

16873 Outlines of the earth's history. A popular study in physiography. vii,417 p. 23 il. 10 pl. O. New York: D. Appleton & Co., 1898.

Suess, Eduard, 1831– L551.02 Q502

52572 The face of the earth (Das Antlitz der Erde), by Eduard Suess ... . Translated by Hertha B. C. Sollas ... under the direction of W. J. Sollas ... . Oxford, Clarendon Press, 1904–.

Vol. 1–. fronts. illus., plates, maps. 25½cm.

Tarr, Ralph Stockman, 1864– 551.02 Q303

63552 New physical geography, by Ralph S. Tarr ... . New York, London, The Macmillan Company, 1904, [1903].

xiii, [2], 457 p. front., illus., plates, maps. 19cm.

"Reference books," p. 442.

Dana, James Dwight. 551.21 P001 551.21 Volcanoes

3892 Characteristics of volcanoes, with contributions of facts and principles from the Hawaiian Islands, including a historical review of Hawaiian volcanic action for the past sixty-seven years, a discussion of the relations of volcanic islands to deep-sea topography, and a chapter on volcanic-island denudation. xvi,399 p. il. 4 maps. O. New York: Dodd, Mead, & Co., 1890.

Russell, Israel Cook. 551.21 P700

8179 Volcanoes of North America. A reading lesson for students of geography and geology. xiv,346 p. 10 il. 12 pl. 4 maps. O. New York: Macmillan Co., 1897.

Dutton, Clarence Edward, 1841– 551.22 Q401 551.22 Earthquakes

63559 Earthquakes in the light of the new seismology, by Clarence Edward Dutton ... . New York, G. P. Putnam's Sons; London, J. Murray, 1904.

[2], xxiii, 314 p. illus., plates, maps, diagrs. 21½cm. (*Half-title:* The science series, [14].)

Hobbs, William Herbert, 1864– 551.22 Q700

63558 Earthquakes, an introduction to seismic geology, by William Herbert Hobbs ... . New York, D. Appleton and Co., 1907.

xxx, [2], 336 p. illus., xxiv pl. (incl. front.) 20cm.

"References" at end of chapters.

"Seismological journals," p. 311–312.

551.31 Glaciers

Russell, Israel Cook. 551.31 P700

6237 Glaciers of North America. A reading lesson for students of geography and geology. x,210 p. 10 il. 18 pl. 4 maps. O. Boston, U. S. A.: Ginn & Co., 1897.

Tyndall, John. 551.31 N200

642 The forms of water in clouds & rivers, ice & glaciers. xxiii,[1] 196 p. 35 il. 1 por. D. (International scientific series, vol. 1.) New York: D. Appleton & Co., 1882.

551.4 Surface features

Berghaus, Hermann. L551.46 P100

13149 Atlas der Hydrographie. 5 p. 11 maps. F[4]. (Berghaus' physikalischer Atlas. [Dritte Ausgabe.] Abteilung 2.) ... . Gotha: J. Perthes, 1891.

Darwin, George Howard. 525.6 P800

16879 The tides and kindred phenomena in the solar system. The substance of lectures delivered in 1897 at the Lowell Institute, Boston, Massachusetts. xviii,378 p. 43 il. O. Boston: Houghton, Mifflin & Co., 1898.

"Authorities," at the end of each chapter.

Geikie, James. 551.4 P800

17666 Earth sculpture; or, The origin of land-forms. xvi,320 p. 89 il. 2 pl. O. [Progressive science series.] London: J. Murray, 1898.

Prentiss, Henry Mellen. 998 P703

15576 The great polar current. Polar papers. De Long — Nansen — Peary. [6],153 p. D. New York: F. A. Stokes Co., c. 1897.

Russell, Israel Cook. 551.48 P500

287 Lakes of North America. A reading lesson for students of geography and geology. x,[2],125 p. 9 il. 13 pl. 10 maps. O. Boston: Ginn & Co., 1895.

Russell, Israel Cook. 551.48 P801

16294 Rivers of North America. A reading lesson for students of geography and geology. xix,327 p. 23 il. 11 pl. 6 maps, 1 table. O. [Science series, vol. 3.] New York: G. P. Putnam's Sons, 1898.

Shaler, Nathaniel Southgate, *editor.* L309.73 P400

414 The United States of America. A study of the American commonwealth, its natural resources, people, industries, manufactures, commerce, and its work in literature, science, education, and self-government. 2 vol. il. pl. maps. Q. New York: D. Appleton & Co., 1894.

Wallace, Alfred Russel. 591.922 O001 551.4 Surface features

390 Island life; or, The phenomena and causes of insular faunas and floras, including a revision and attempted solution of the problem of geological climates. xvii,[2],526 p. il. 3 maps. O. London: Macmillan & Co., 1880.

Abercromby, Ralph. 551.5 O700 551.5 Meteorology

303 Weather. A popular exposition of the nature of weather changes from day to day. xix,472 p. 96 il. D. (International scientific series, vol. 58.) New York: D. Appleton & Co., 1887.

Archibald, [Edmund] Douglas. 551.5 P700

7864 The story of the earth's atmosphere. 194 p. 43 il. 1 pl. S. [Library of useful stories.] New York: D. Appleton & Co., 1897.

Bartholomew, John George, & Herbertson, A. J. A551.5 P904

31541 Atlas of meteorology. Edited by Alexr. Buchan. . . . . [8],40, [2],xiv p. il. 35 pl. of maps. F[5]. (Bartholomew's Physical atlas, vol. 3.) Westminster: A. Constable & Co., 1899.

Davis, William Morris. 551.5 P402

11041 Elementary meteorology. xi,[1],355 p. 106 il. 6 maps. O. Boston, U. S. A.: Ginn & Co., 1894.

Hann, Julius. L551.5 O704

12789 Atlas der Meteorologie. 12 p. 12 maps. F[4]. (BERGHAUS' PHYSIKALISCHER ATLAS. [Dritte Ausgabe.] Abteilung 3.) Gotha: J. Perthes, 1887.

Knight, Austin Melvin. 656.9 Q100

30026 Modern seamanship. xii,428 p. 129 pl. 5 pl. of maps, 2 maps. O. New York: D. Van Nostrand Co., 1901.

"Weather and the laws of storms," p. 307–333.

Russell, Thomas. 551.5 P403

17081 Meteorology, weather, and methods of forecasting, description of meteorological instruments and river flood predictions in the United States. xxiii,277 p. il. 1 pl. 45 maps. O. New York: Macmillan & Co., 1895.

Smithsonian Institution. 551.5 Q700

68258 . . . . Smithsonian meteorological tables. ⟨Based on Guyot's meteorological and physical tables.⟩ Third revised edition. (Corrected to December, 1906) . . . . Washington, Smithsonian Institution, 1907.

lx, 280 p. 23½cm. (Smithsonian miscellaneous collections. Part of volume XXXV.) Publication 1032.

"... Prepared ... by the coöperation of Professors Alexander McAdie, Charles F. Marvin, and Cleveland Abbe."—Advertisement.

551.53 Altitudes

Gannett, Henry, 1846– 551.53 Q600

50217 . . . . A dictionary of altitudes in the United States (fourth edition) compiled by Henry Gannett. Washington, Gov't Print. Off., 1906.

1072, ii p. 23½cm. (U. S. Geological Survey. Bulletin no. 274.)
Subject series: F, Geography, 47.
Issued also as House doc. no. 207, 59th Cong., 1st sess.
Another copy in Bulletin has shelf number 557.3 8 v.274

551.56 Climate

Hann, Julius, 1839– 551.56 Q300

62401 Handbook of climatology, by Dr. Julius Hann . . . Part I. General climatology. Translated with the author's permission from the second revised and enlarged German edition, with additional references and notes, by Robert De Courcy Ward . . . . New York, London, The Macmiilan Company, 1903.

xiv, [2], 437 p. table, diagr. 23½m.
"The first volume of the second German edition is the only one included in the present translation . . . and is a finished piece of work by itself. The last two volumes, which deal with special climatology, it has been found impracticable to translate." — Pref.
"Conversion tables," p. [415]–427.
"Additional references, mostly of recent date," p. [428]–429.

Ward, Robert De Courcy, 1867– 551.56 Q800

63788 Climate considered especially in relation to man. By Robert DeCourcy Ward, ... Illustrated. New York, G. P. Putnam's Sons; London, J. Murray, 1908.

[2], xv, 372 p. 34 diagr. 21½cm. (*Half-title:* The science series, [vol. 20].)
Contents. — Introduction. — 1. The climatic zones and their subdivisions. — 2.–3. The classification of climates. — 4.–6. The characteristics of the zones. — 7. The hygiene of the zones. — 8. The life of man in the tropics. — 9. The life of man in the temperate zones. — 10. The life of man in the polar zones. — 11. Changes of climate.

551.57 Clouds

Clayden, Arthur William, 1855– 551.57 Q500

63557 Cloud studies; by Arthur W. Clayden . . . . London, J. Murray, 1905.

xiii, 184 p. front., 61 pl. 20½cm.
"References," p. 181–182.

551.79 Ice age

Geikie, James. 551.79 P500

6753 The great ice age and its relation to the antiquity of man. Third edition, largely rewritten. xxviii,850 p. 78 il. 1 pl. 18 maps. O. New York: D. Appleton & Co., 1895.

551.9 Agents of geological work

Darwin, Charles. 551.96 O900

6732 The structure and distribution of coral reefs. Third edition, with an appendix by Prof. T. G. Bonney. xv,344 p. il. 3 maps. O. New York: D. Appleton & Co., 1889.

The appendix is entitled: Summary of the principal contributions to the history of coral reefs since the year 1874.

Howorth, *Sir* Henry Hoyle, 1842– **551.9 Q500** 551.9 Agents of geological work

47218 Ice or water. Another appeal to induction from the scholastic methods of modern geology. By Sir Henry H. Howorth. In three volumes. . . . . London, New York, [etc.], Longmans, Green, and Co., 1905–.

Vol. 1–. 22½cm.

Merrill, George Perkins. **552 P700** 552 Lithology

5908 A treatise on rocks, rock-weathering and soils. xx,411 p. 42 il. 25 pl. O. New York: Macmillan Co., 1897.

Foster, *Sir* Clement Le Neve, 1841–1904. **622.02 Q504** 553 Economic geology

63516 A treatise on ore and stone mining. By Sir Clement Le Neve Foster . . . . Sixth edition, revised and enlarged by Bennett H. Brough . . . . London, C. Griffin & Co., ltd., 1905.

xxx, 799 p. front., illus., diagrs. 22cm.

"List of periodical publications dealing with ore and stone mining," p. xxix–xxx.

Bibliographies interspersed.

Mineral industry. **622.051 I**

1710 The Mineral industry, its statistics, technology and trade, in the United States and other countries, ... Founded by the late Richard P. Rothwell. . . . . Continued from vol. 1. 1892. il. pl. pl. of por. O. New York 1893–.

Vol. 1–8 edited by Richard P. Rothwell; vol. 9, by Richard P. Rothwell and Joseph Struthers; vol. 10–, by Joseph Struthers.

Vol. 1–5 published as Statistical supplement to Engineering and mining journal.

Tarr, Ralph Stockman. **553 P300**

5582 Economic geology of the United States, with briefer mention of foreign mineral products. [Second edition.] xx,[2],525 p. 27 il. 2 pl. 2 tables. O. New York: Macmillan & Co., 1895.

U. S. A. *Department of Commerce and Labor.* **L622.0973 Q200**

63584 *Bureau of the Census.*

. . . Mines and quarries 1902. Prepared under the supervision of William M. Steuart, chief statistician for manufactures . . . . Washington, Gov't Print. Off., 1905.

xxix, 1123 p. plates, diagrs. 30cm.

At head of title: Department of Commerce and Labor. Bureau of the Census, S. N. D. North, director. Special reports.

Electricity in mining, by Thomas Commerford Martin, p. 145–161.

Reports on separate minerals: Iron ore, Manganese ore, by John Birkinbine. — Lead and zinc ore, Copper ore, Gold and silver, by Isaac A. Hourwich. — Precious metals recovered by cyanide processes, by Charles E. Munroe. — Quicksilver, Borax, Phosphate rock, Sulphur and pyrite, Mineral pigments (crude), Asphaltum and bituminous rock, Bauxite, Graphite, Magnesite, by Joseph Struthers. — Platinum, by David T. Day. — Coal, by Edward W. Parker. — Petroleum, Natural gas, by F. H. Oliphant. — Stone, by George P. Merrill. — Cement, Gypsum, Flint and feldspar, Fuller's earth, Marl, by Story B. Ladd. — Clay, by Jefferson Middleton. — Abrasive materials, Fluorspar, Barytes, Steel hardening metals, Asbestos, Lithium ore, Mica, Monazite, Talc and soapstone, by Joseph Hyde Pratt. — Precious stones, by George F. Kunz. — Mineral resources of Porto Rico, by William F. Willoughby.

553 Economic geology

U. S. A. *Department of the Interior. Geological Survey.* 622.0973 2

9026 . . . . Mineral resources of the United States. . . . . Washington, Gov't Print. Off., 1883–.

Continued from [vol. 1], 1882. illus., plates, maps, tables. 23cm.

At head of title: Department of the Interior. United States Geological Survey. . . . .

1894–1899 published as part of the Annual report of the United States Geological Survey, no. 16–21, 1894–1900, which has shelf number **L557.3 2**

553.1 Ore deposits

Beck, Richard *i.e.* **Carl Richard,** 1858– 553.1 Q501

63579 The nature of ore deposits, by Dr. Richard Beck . . . . Translated and revised by Walter Harvey Weed . . . . With 272 figures and a map. First edition. In two volumes. . . . . New York and London, The Engineering and Mining Journal, 1905.

2 vol. illus., fold. map, diagrs. 24cm.

Bibliographical notes.

Paged continuously; vol. 1: xiv, 340 p.; vol. 2: [2], 341–685 p.

Kemp, James Furman. 553.1 Q001

22694 The ore deposits of the United States and Canada. Third edition. Entirely rewritten and enlarged. xxiv,481 p. il. 14 p. of pl. 17 pl. O. New York: Scientific Publishing Co., 1900.

"General references on ore deposits", p. 74–84; other references in foot notes.

Phillips, John Arthur. 553.1 P600

4848 A treatise on ore deposits. Second edition, rewritten and greatly enlarged by Henry Louis. xxii,[2],943 p. 128 il. O. London: Macmillan & Co., 1896.

553.2 Coal deposits

Martin, Edward Alfred. 553.2 P600

8393 The story of a piece of coal. What it is, whence it comes, and whither it goes. 168 p. 38 il. 1 pl. S. [Library of useful stories.] New York: D. Appleton & Co., 1896.

Nicolls, William Jasper. 553.23 P700

12205 The story of American coals. 405 p. 1 pl. O. Philadelphia: J. B. Lippincott Co., 1897.

Thorpe, [Thomas Edward], *editor.* 553.2 N800

12125 Coal: its history and uses. By Professors Green, Miall, Thorpe, Rücker, and Marshall. xii,363 p. il. O. London: Macmillan & Co., 1878.

Contents: 1–2. The geology of coal. 3. Coal plants. 4. Animals of the coal measures. 5–6. The chemistry of coal. 7. Coal as a source of warmth. 8. Coal as a source of power. 9–10. The coal question.

553.28 Petroleum

Brannt, William Theodore. 665.5 P400

4331 Petroleum: its history, origin, occurrence, production, physical and chemical constitution, technology, examination and uses; together with the occurrence and uses of natural gas. Edited chiefly from the German of Prof. Hans Hoefer and Dr. Alexander Veith. xxvii,715 p. 284 il. 1 pl. 2 maps. O. Philadelphia: H. C. Baird & Co., 1895.

Redwood, *Sir* Boverton, 1846– **665.5 Q601** 553.28 Petroleum

63512 Petroleum: a treatise on the geographical distribution and geological occurrence of petroleum and natural gas; the physical and chemical properties, production, and refining of petroleum and ozokerite; the characters and uses, testing, transport, and storage of petroleum products; and the legislative enactments relating thereto; together with a description of the shale oil and allied industries; and a full bibliography. By Sir Boverton Redwood .... Second edition, thoroughly revised and enlarged. .... London, C. Griffin & Co., ltd., 1906.

2 vol. fronts. (1 col.), illus., 29 fold. pl. (incl. maps), fold. tables. 23cm.
Paged continuously; vol. 1: xxxii, 528 p.; vol. 2: [2], 529–1064 p.
"Bibliography. Compiled by W. H. Dalton and L. V. Dalton," vol. 2, p. 889–1001.

Eissler, Manuel. **669.2 Q002** 553.4 Metal ores

29215 The metallurgy of gold. A practical treatise on the metallurgical treatment of gold-bearing ores including the assaying, melting, and refining of gold. Fifth edition, enlarged and re-arranged. xxvi,638 p. 317 il. 46 pl. O. London: C. Lockwood & Son, 1900.

Ingalls, Walter Renton, 1865– **669.0973 Q800**

65778 Lead and zinc in the United States; comprising an economic history of the mining and smelting of the metals and the conditions which have affected the development of the industries, by Walter Renton Ingalls .... New York, London, Hill Publishing Company, 1908.

[4], iii–x, 368 p. incl. illus., tables, diagrs. 3 pl. 24cm.

Ingalls, Walter Renton. **669.5 Q200**

50184 Production and properties of zinc; a treatise on the occurrence and distribution of zinc ore, the commercial and technical conditions affecting the production of spelter, its chemical and physical properties and uses in the arts, together with a historical and statistical review of the industry, by Walter Renton Ingalls. First edition. New York and London, The Engineering and Mining Journal, 1902.

ix, 328 p. incl. illus., maps, diagr. pl. 23cm.

Merrill, George Perkins, 1854– **553.5 Q300** 553.5 Building stones

63521 Stones for building and decoration. By George P. Merrill .... Third edition, revised and enlarged. .... New York, J. Wiley & Sons; London, Chapman & Hall, ltd., 1903.

xi, 540 p. illus., XXXIII (*i.e.* 34) pl. incl. front., 7 maps. 23½cm.
"Bibliography of works on building stone," p. 528–530.

553.6 Earthy economic minerals

Davies, David Christopher. 553.6 P200

13718 A treatise on earthy and other minerals and mining. By D. C. Davies. Third edition, thoroughly revised and enlarged by his son E. Henry Davies. xviii,394 p. 76 il. D. London: C. Lockwood & Son, 1892.

Ries, Heinrich. 553.61 Q600

61935 Clays, their occurrence, properties, and uses, with especial reference to those of the United States, by Heinrich Ries . . . . First edition. . . . . New York, J. Wiley & Sons; [etc., etc.], 1906.

xvi, 490 p. incl. illus., XLIV pl., diagrs. 23½cm.
Contains "References."

557.3 United States geological survey

U. S. A. *Department of the Interior. Geological Survey.* 016.5573 U58

62024 . . . . The United States Geological Survey: its origin, development, organization, and operations. Washington, Gov't Print. Off., 1904.

205, iii p. illus., IX pl. (incl. 6 maps) 23½cm. (*Its* Bulletin no. 227. series G, Miscellaneous, 27.)
"Publications of the United States Geological Survey," p. 119–197.
"Geological survey publications on Alaska," p. [198]–202.
Another copy in Bulletin has shelf number **557.3 8 v.227**

560 PALEONTOLOGY

Zittel, Karl Alfred, *Ritter* **von,** 1839–1904. 550.9 P900

50247 History of geology and palæontology to the end of the nineteenth century, by Karl Alfred von Zittel ... Translated by Maria M. Ogilvie-Gordon . . . . With thirteen portraits. London, W. Scott; New York, C. Scribner's Sons, 1901.

xiii, [2], 562 p. 13 port. (incl. front.) 19cm. (*Half-title:* The contemporary science series, edited by H. Ellis, [xlii].)

Hutchinson, Henry Neville. 566 P400

211 Creatures of other days. xxiv,270 p. 79 il. 22 pl. 2 por. O. New York: D. Appleton & Co., 1894.

Hutchinson, Henry Neville. 566 P300

6809 Extinct monsters. A popular account of some of the larger forms of ancient animal life. With illustrations by J. Smit and others. . . . . [Second edition.] xxii,270 p. 59 il. 26 pl. O. New York: D. Appleton & Co., pref. 1893.

Scott, Dukinfield Henry. 561 Q002

27651 Studies in fossil botany. xiii,533 p. il. 1 pl. O. London: A. & C. Black, 1900.

Williams, Henry Shaler. 560.2 P500

18674 Geological biology. An introduction to the geological history of organisms. xix,395 p. 120 il. O. New York: H. Holt & Co., 1895.

Woods, Henry. 562 Q200 560 Paleontology

50202 Palæontology — Invertebrate. By Henry Woods . . . . Third edition. Cambridge, University Press, 1902.

xiii, 360 p. illus. 19cm. (*Half-title:* Cambridge natural science manuals. Biological series.)

"List of palæontological works," p. [329]-342.

Zittel, Karl Alfred von. 560.2 P601

18669 Text-book of palæontology. Translated and edited by Charles R. Eastman. English edition revised and enlarged by the author and editor in collaboration with numerous specialists. Vol. 1--. il. O. London: Macmillan & Co., 1896-.

570-572-578
NATURAL SCIENCES
Ethnography — Microscopy

Concilium bibliographicum, *Zurich.* 025.4 C745 570.1 Biological classification

37902 . . . . Conspectus methodicus et alphabeticus numerorum classificationis bibliographici auctoritate Instituti bibliographici internationalis Bruxellensis ampliatus a· Concilio bibliographico. Palaeontologia — biologia generalis — microscopia — zoologia, 56-57-59. (English edition.) . . . . Turici, sumptibus Concilii bibliographici; Bruxelles, Office international de bibliographie, [etc.], 1902.

cover-title, 63, [1] p. 23½cm. (Office international de bibliographie. Publication no. 58 e.)

Founded on the Decimal classification of Melvil Dewey.

Letourneau, Charles. 570.2 N600 570.2 General biology

4498 Biology. Translated from the French. New edition. xi,480 p. 83 il. O. London: Chapman & Hall, 1890.

McAlpine, Daniel, & McAlpine, A. N. L570.2 O001

3629 Biological atlas: a guide to the practical study of plants and animals. . . . . With accompanying text containing arrangement and explanation, equivalent terms, glossary and classification. ix,49 p. 24 pl. sq. F. Edinburgh: W. & A. K. Johnston, 1881.

Parker, Thomas Jeffery. 570.2 P700

8931 Lessons in elementary biology. [Third edition.] xxiii,503 p. 127 il. D. [Macmillan's manuals for students.] London: Macmillan & Co., 1897.

Sedgwick, William Thompson, & Wilson, Edmund B. 570.2 P500

31951 An introduction to general biology. Second edition, revised and enlarged. xii,231 p. 105 il. O. (American science series.) New York: H. Holt & Co., 1899.

570.2 General biology

Spencer, Herbert. 570.2 P800

17702 The principles of biology. Revised and enlarged edition. 2 vol. il. O. [SPENCER, H. A system of synthetic philosophy, vol. 2–3.] New York: D. Appleton & Co., 1898–1900.

570.3 Biological dictionaries

Stormonth, James. 570.3 N900

1014 A manual of scientific terms: pronouncing, etymological, and explanatory; chiefly comprising terms in botany, natural history, anatomy, medicine, and veterinary science: with an appendix of specific names. . . . . Second edition. xi,488 p. D. Edinburgh: J. Thin, 1894.

570.4 Essays. Nature study

Allen, Grant. 570.4 A425

17651 Flashlights on nature. With 150 illustrations by Frederick Enock. viii,312 p. il. D. London: G. Newnes, 1899.

Gibson, William Hamilton. 570.4 G353

12523 My studio neighbors. x,245 p. il. 1 pl. O. New York: Harper & Brothers, 1898.

Gibson, William Hamilton. L570.4 G352

10095 Strolls by starlight and sunshine. 194 p. il. 1 pl. Q. New York: Harper & Brothers, 1891.

Torrey, Bradford. 570.4 T63

16706 A world of green hills. Observations of nature and human nature in the Blue Ridge. [4],285 p. D. Boston: Houghton, Mifflin & Co., 1898.

Wallace, Alfred Russel. 570.4 W151

27090 Natural selection and Tropical nature. Essays on descriptive and theoretical biology. New edition with corrections and additions. xii,492 p. O. London: Macmillan & Co., 1895.

Contents: Natural selection: 1. On the law which has regulated the introduction of new species. 2. On the tendency of varieties to depart indefinitely from the original type. 3. Mimicry, and other protective resemblances among animals. 4. On instinct in man and animals. 5. The philosophy of birds' nests. 6. A theory of birds' nests. 7. Creation by law. 8. The development of human races under the law of natural selection. 9. The limits of natural selection as applied to man. Tropical nature and other essays: 1. The climate and physical aspects of the equatorial zone. 2. Equatorial vegetation. 3. Animal life in the tropical forests. 4. Humming birds: as illustrating the luxuriance of tropical nature. 5. The colours of animals and sexual selection. 6. The colours of plants and the origin of the colour-sense. 7. The antiquity and origin of man. 8. The antiquity of man in North America. 9. The debt of science to Darwin.

"The present volume consists mainly of a reprint of two volumes of essays — 'Contributions to the theory of natural selection', which appeared in 1870, . . . , and has now been many years out of print: and, 'Tropical nature and other essays', which appeared in 1878." *Preface.*

570.7 Teaching of biology

Howe, Edward Gardnier. 372.3 P500

6101 Systematic science teaching. A manual of inductive elementary work . . . . [2 vol.] il. D. (International education series, vol. 27 and 48.) New York: D. Appleton & Co., 1895–1900.

[Vol. 2] published under the title: Advanced elementary science, being part II of Systematic science teaching

Jackman, Wilbur Samuel. **372.3 P600** 570.7 Teaching of biology

2942 Nature study and related subjects, for the common schools. . . . . 2 parts. Chicago: by the author, c. 1896.

Part 1 in F; part 2 in D.

Part 1 has shelf-mark **L372.3 P600.**

McMurry, Charles Alexander, 1857– **372.3 Q402**

64988 Special method in elementary science for the common school, by Charles A. McMurry, ... New York, London, The Macmillan Company, 1904.

ix, 275 p. 19½cm.

"Bibliography," p. 252–275.

Buckley, Arabella Burton, [*afterwards* **Fisher**]. **570.9 O800** 570.9 History of biology

6540 A short history of natural science and of the progress of discovery from the time of the Greeks to the present day. . . . . Fifth edition. xxix,509 p. 74 il. 1 table. D. London: E. Stanford, 1894.

Locy, William Albert, 1857– **570.9 Q800**

65779 Biology and its makers, with portraits and other illustrations, by William A. Locy . . . . New York, H. Holt and Co., 1908.

xxvi, 469 p. illus. (incl. port.) 22½cm.

"Reading list," p. 449–460.

Contents. — An outline of the rise of biology and of the epochs in its history. — Vesalius and the overthrow of authority in science. — William Harvey and experimental observation. — The introduction of the microscope and the progress of independent observation. — The progress of minute anatomy. — Linnæus and scientific natural history. — Cuvier and the rise of comparative anatomy. — Bichat and the birth of histology. — The rise of physiology. Harvey. Haller. Johannes Müller. — Von Baer and the rise of embryology. — The cell-theory. Schleiden. Schwann. Schultze. — Protoplasm the physical basis of life. — The work of Pasteur, Koch, and others. — Heredity and germinal continuity. — Mendel. Galton. Weismann. — The science of fossil life. — What evolution is; the evidence upon which it rests, etc. — Theories of evolution. Lamarck. Darwin. — Theories continued. Weismann. De Vries. — The rise of evolutionary thought. — Retrospect and prospect. Present tendencies in biology.

Williams, Henry Smith. **509 Q001**

28269 The story of nineteenth century science. vii,[3],474,[2] p. il. 12 pl. paged in, 2 pl. of por. paged in, 17 por. 16 paged in. O. New York: Harper & Bros., 1901.

Contents: 1. Science at the beginning of the century. 2. The century's progress in astronomy. 3. The century's progress in paleontology. 4. The century's progress in geology. 5. The century's progress in meteorology. 6. The century's progress in physics. The "Imponderables". 7. The ether and ponderable matter. 8. The century's progress in chemistry. 9. The century's progress in biology. Theories of organic evolution. 10. The century's progress in anatomy and physiology. 11. The century's progress in scientific medicine. 12. The century's progress in experimental psychology. 13. Some unsolved scientific problems: 1. Solar and telluric problems. 2. Physical problems. 3. Life problems.

Agassiz, Alexander. **L570.91 O001** 570.91 Scientific explorations

457 A contribution to American thalassography. Three cruises of the United States Coast and Geodetic Survey steamer "Blake" in the Gulf of Mexico, in the Caribbean Sea, and along the Atlantic coast of the United States, from 1877 to 1880. 2 vol. il. pl. maps, tables. Q. Boston: Houghton, Mifflin & Co., 1888.

570.91 Scientific explorations

Darwin, Charles. 570.91 J600

31 Journal of researches into the natural history and geology of the countries visited during the voyage of H. M. S. Beagle round the world, under the command of Capt. Fitz Roy. New edition. x, 519 p. O. New York: D. Appleton & Co., 1878.

Hasse, Adelaide Rosalia. 016.353 H271

18598 Reports of explorations printed in the documents of the United States government. (A contribution toward a bibliography.) 90 p. O. (U. S. A. GOVERNMENT PRINTING OFFICE. SUPERINTENDENT OF DOCUMENTS.) Washington 1899.

Moseley, Henry Nottidge. 570.91 N604

3702 Notes by a naturalist on the "Challenger", being an account of various observations made during the voyage of H. M. S. "Challenger" round the world, in the years 1872–1876, ... xvi,620 p. il. 2 pl. 1 map. O. London: Macmillan & Co., 1879.

Thomson, *Sir* Charles Wyville. 570.91 N600

45 The voyage of the "Challenger." The Atlantic. A preliminary account of the general results of the exploring voyage of H. M. S. "Challenger" during the year 1873 and the early part of the year 1876. 2 vol. il. pl. por. maps, tables. O. New York: Harper & Brothers, 1878.

570.92 Biographies of biologists

Naturalists' universal directory. 570.92 N21

13090 The Naturalists' universal directory. Containing the names, addresses and special subjects of study, of professional and amateur naturalists in all parts of the world. . . . . Boston, S. E. Cassino, 1877–1905.

[1877], 1880–[1881, 1883], 1898, 1904. 6 vol. $19\frac{1}{2}^{cm}$.–$22\frac{1}{2}^{cm}$.

[1881–1883], 1885, 1888, title reads: The International scientists' directory. Containing the names, . . . , of . . . naturalists, . . . , in America, Europe, Asia, Africa, and Oceanica; 1892, 1894, 1896, The Scientists' international directory; 1898, The Naturalists' directory. Containing the names, addresses and special departments of study, etc., of . . . naturalists, chemists, physicists, astronomers etc., etc., of the United States and Canada. . . . .

Compiled by S. E. Cassino.

Subtitle varies slightly.

1877 published in Salem, Mass.

1887, 1889, 1897, never published.

Poggendorff, Johann Christian, 1796–1877. L509.2 P75

11820 Biographisch-literarisches Handwörterbuch zur Geschichte der exacten Wissenschaften. Enthaltend Nachweisungen über Lebensverhältnisse und Leistungen von Mathematikern, Astronomen, Physikern, Chemikern, Mineralogen, Geologen usw. aller Völker und Zeiten gesammelt von J. C. Poggendorff . . . . Erster–[vierter] Band. Leipzig, J. A. Barth, 1863–1904.

4 vol. in 5. 26^{cm}.

Vol. 3–4 title reads: J. C. Poggendorff's Biographisch-literarisches Handwörterbuch . . . .

Vol. 3: (1858 bis 1883.) Herausgegeben von Dr. B. W. Feddersen und Prof. Dr. A. J. von Oettingen; vol. 4: (Die Jahre 1883 bis zur Gegenwart umfassend.) Herausgegeben von Prof. Dr. Arthur von Oettingen.

Youmans, William Jay, *editor.* 509.2 Y8 570.92 Biographies of biologists

5135 Pioneers of science in America. Sketches of their lives and scientific work. . . . . viii,508 p. 5 il. 49 por. O. New York: D. Appleton & Co., 1896.

Reprinted with additions from the *Popular Science Monthly.*

Muir, John. 570.9794 P400 570.9794 Natural history — California

14226 The mountains of California. xiii,[2],381 p. il. 1 pl. D. New York: Century Co., 1898.

Rodway, James. 570.988 P500 570.988 Guiana

10922 In the Guiana forest. Studies of nature in relation to the struggle for life. With introduction by Grant Allen. Second edition. xxiii,242 p. 16 pl. D. London: T. Fisher Unwin, 1895.

Forbes, Henry O. 570.991 O300 570.991 Malaysia

1691 A naturalist's wanderings in the Eastern archipelago. A narrative of travel and exploration from 1878 to 1883. xix,[1],536 p. 65 il. 22 pl. 6 maps. O. New York: Harper & Brothers, 1885.

Avebury, [John Lubbock, *1st Baron*]. 571.02 M901 571 Prehistoric archaeology

25954 Pre-historic times as illustrated by ancient remains and the manners and customs of modern savages. By the Rt. Hon. Lord Avebury. Sixth edition revised. xxxii,616 p. il. 41 pl. 1 map. O. London: Williams & Norgate, 1900.

Haddon, Alfred Cort. 571.04 H12

16756 The study of man. xxv,410 p. 40 il. 8 pl. O. [Science series.] New York: G. P. Putnam's Sons, 1898.

Contents: 1. Measurements and their importance in anthropology. 2. Hair and eye colour. 3. Value of head-form in anthropology. 4. The nose. 5. The ethnography of the Dordogne district. 6. The evolution of the cart. 7. The origin of the Irish jaunting car. 8. Toys and games: cat's cradle and kites. 9. Toys and games: tops and the tug-of-war. 10. The bull-roarer. 11. The singing games of children. 12. "London Bridge": foundation sacrifice. 13. "Draw a pail of water": water worship. 14. Courting games. 15. Funeral games. 16. Practical suggestions for conducting ethnographical investigations in the British Islands.

Hutchinson, Henry Neville. 571.02 P600

7282 Prehistoric man and beast. xxii,298 p. 10 pl. O. New York: D. Appleton & Co., 1897.

Starr, Frederick. 571.02 P502

16215 Some first steps in human progress. 305 p. 33 il. 1 pl. D. (Chautauqua Reading Circle literature.) Meadville, Penna.: Flood & Vincent, 1895.

Windle, Bertram Coghill Alan. 571.0942 P700 571.09 Geographical archaeology

8406 Life in early Britain. Being an account of the early inhabitants of this island and the memorials which they have left behind them. xv,244 p. 67 il. 1 map. D. New York: G. P. Putnam's Sons, 1897.

571.09 Geographical archaeology

Munro, Robert. 571.09439 P500

3259 Rambles and studies in Bosnia-Herzegovina and Dalmatia. With an account of the proceedings of the Congress of Archæologists and Anthropologists held in Sarajevo, August, 1894. xx,395 p. 144 il. 32 pl. O. Edinburgh: W. Blackwood & Sons, 1895.

Worsaae, Jens Jacob Asmussen. 571.0948 0001

12376 The pre-history of the North, based on contemporary memorials. Translated, with a brief memoir of the author, by H. F. Morland Simpson. xxx,206 p. 19 il. 1 map. D. London: Trübner & Co., 1886.

Worsaae, Jens Jacob Asmussen. 571.0948 0200

12462 The industrial arts of Denmark from the earliest times to the Danish conquest of England. 2 parts in 1. il. map. D. [SOUTH KENSINGTON MUSEUM. Art handbooks.] London: Chapman & Hall, 1882.

Nadaillac, [Jean François Albert du Pouget,] 571.097 0400

195 *Marquis de.*

Pre-historic America. Translated by N. d'Anvers. Edited by W. H. Dall. [ix],566 p. 219 il. O. New York: G. P. Putnam's Sons, 1884.

571.6 Prehistoric inventions

Mason, Otis Tufton. 609.1 P500

11147 The origins of invention: a study of industry among primitive peoples. 419 p. il. 9 pl. D. [Contemporary science series, vol. 28.] London: W. Scott, 1895.

571.7 Prehistoric art

Conway, *Sir* William Martin. 709.1 C76

18787 Dawn of art in the ancient world. An archaeological sketch. viii,189 p. D. New York: Macmillan & Co., 1891.

Grosse, Ernst. 571.7 P700

7639 The beginnings of art. xiv,327 p. 32 il. 3 pl. D. [Anthropological series.] New York: D. Appleton & Co., 1897, pref. 1893.

Haddon, Alfred Cort. 571.7 P500

13062 Evolution in art: as illustrated by the life-histories of designs. xviii,[2],364 p. il. D. [Contemporary science series, vol. 30.] London: W. Scott, 1895.

Contents: Introduction. The decorative art of British New Guinea: as an example of the method of study. The material of which patterns are made. The reasons for which objects are decorated. The scientific method of studying decorative art.

Perrot, Georges, & Chipiez, Charles. L709.392 P42

11891 History of art in Phrygia, Lydia, Caria, and Lycia. From the French. xii,405 p. 283 il. Q. London: Chapman & Hall, 1892.

Perrot, Georges, & Chipiez, Charles. L709.38 P42

17645 History of art in primitive Greece. Mycenian art. From the French. 2 vol. il. pl. Q. London: Chapman & Hall, 1894.

Perrot, Georges, & Chipiez, Charles. L709.3 P42 571.7 Prehistoric art

17646 History of art in Sardinia, Judæa, Syria, and Asia Minor. From the French. Translated and edited by I. Gonino. 2 vol. il. pl. Q. London: Chapman & Hall, 1890.

Wallaschek, Richard. 780.91 W15

11523 Primitive music. An inquiry into the origin and development of music, songs, instruments, dances, and pantomimes of savage races. With musical examples. xi,326 p. 9 p. of music. O. London: Longmans, Green, & Co., 1893.

"Authorities quoted", p. 297–321.

Chapin, Frederick Hastings. 979 P200 571.84 Cliff dwellings

12043 The land of the Cliff-Dwellers. [2],188 p. 64 pl. 3 maps. D. Boston: W. B. Clarke & Co., 1892.

Deniker, Joseph. 572.02 P900 572 Ethnology

21376 The races of man: an outline of anthropology and ethnography. xxiii,611 p. il. 1 pl. D. [Contemporary science series.] London: W. Scott, 1900.

Gerland, Georg [Karl Cornelius]. L572.02 P200

4141 Atlas der Völkerkunde. 15 p. 15 maps. F[4]. (BERGHAUS' PHYSIKALISCHER ATLAS. [Dritte Ausgabe.] Abteilung 7.) Gotha: J. Perthes, 1892.

Keane, Augustus Henry. 572.02 P600

8591 Ethnology. In two parts: I. Fundamental ethnical problems. II. The primary ethnical groups. Second edition revised. xxx, 442 p. il. O. [Cambridge geographical series.] Cambridge: University Press, 1896.

Keane, Augustus Henry. 572.02 P901

23520 Man past and present. xii,584 p. il. 12 pl. O. [Cambridge geographical series.] Cambridge: University Press, 1899.

Keane, Augustus Henry, 1833– 572.02 Q800

64219 The world's peoples. A popular account of their bodily & mental characters, beliefs, traditions, political and social institutions. By A. H. Keane, ... With 270 illustrations reproduced from original photographs. London, Hutchinson & Co., 1908.

xii, 434 p. 271 illus. (incl. front.) 20½cm.

Lefèvre, André. 402 L52

4177 Race and language. vi,424 p. D. (International scientific series, vol. 72.) New York: D. Appleton & Co., 1894.

Peschel, Oscar. 572.02 N400

199 The races of man, and their geographical distribution. From the German. xiv,[2],528 p. il. O. New York: D. Appleton & Co., 1876.

572 Ethnology

Quatrefages [de Bréau], Armand de. 572.02 N700

9465 The human species. x,498 p. D. (International scientific series, vol. 27.) New York: D. Appleton & Co., 1895.

Ratzel, Friedrich. L572.02 P400

7907 The history of mankind. Translated from the second German edition by A. J. Butler. With an introduction by E. B. Tylor. 3 vol. il. pl. maps. Q. London: Macmillan & Co., 1896–1898.

Taylor, Isaac. 572.02 O900

4186 The origin of the Aryans. An account of the prehistoric ethnology and civilisation of Europe. xi,339 p. 30 il. D. [Contemporary science series.] London: W. Scott, pref. 1889.

Contents: 1. The Aryan controversy. 2. The prehistoric races of Europe. 3. The neolithic culture. 4. The Aryan race. 5. The evolution of Aryan speech. 6. The Aryan mythology.

572.9 Special races

Jhering, Rudolph von. 309 P401

10296 The evolution of the Aryan. By Rudolph von Ihering. Translated from the German by A. Drucker. xviii,[2],412 p. O. New York: H. Holt & Co., 1897.

Ripley, William Zebina. 572.94 P900

19089 The races of Europe. A sociological study. Accompanied by a supplementary bibliography of the anthropology and ethnology of Europe, published by the Public Library of the City of Boston. [2 vol.] il. pl. of por. maps. O. (Lowell Institute lectures.) New York: D. Appleton & Co., 1899.

[Vol. 2] is the bibliography, and has also been published separately under the title: A selected bibliography of the anthropology and ethnology of Europe; this has shelf number **016.572 R48**

"Special list of authorities on acclimatization", [vol. 1], p. 589-590.

Shore, Thomas William, *d.* 1905. 572.942 Q500

63556 Origin of the Anglo-Saxon race; a study of the settlement of England and the tribal origin of the Old English people, by the late Thomas William Shore . . . . Edited by his sons, T. W. Shore and L. E. Shore. London, E. Stock, 1906.

vii, 416 p. 23½cm.

"The index of place-names and the general index have been made by Blanche Shore, the author's daughter," p. vi.

572.97 Indians

Biart, Lucien. 309.72 O500

15798 The Aztecs. Their history, manners, and customs. From the French. Authorized translation by J. L. Garner. 343 p. 18 il. 2 maps. O. Chicago: A. C. McClurg & Co., 1892, c. 1886.

Brinton, Daniel Garrison. 572.97 P100

3572 The American race: a linguistic classification and ethnographic description of the native tribes of North and South America. 392 p. O. New York: N. D. C. Hodges, 1891.

Dellenbaugh, Frederick Samuel. 572.97 Q002 572.97 Indians

27005 The North-Americans of yesterday. A comparative study of North-American Indian life, customs, and products, on the theory of the ethnic unity of the race. xxvi,[2],487 p. il. 1 pl. O. New York: G. P. Putnam's Sons, 1901.

"List of stocks and sub-stocks. List of tribes," p. 461–478.

Elliott, Henry Wood. 979.8 O600

2509 Our Arctic province, Alaska, and the Seal Islands. xv,473 p. il. 49 pl. 3 maps. O. New York: C. Scribner's Sons, 1887.

Im Thurn, Everard Ferdinand. 572.9881 O300

19619 Among the Indians of Guiana. Being sketches chiefly anthropologic from the interior of British Guiana. xvi,445 p. 43 il. 10 pl. 1 map. O. London: Kegan Paul, Trench, & Co., 1883.

Maclean, John. 970.1 P601

9603 Canadian savage folk. The native tribes of Canada. 641 p. il. 1 por. O. Toronto: W. Briggs, 1896.

Short, John Thomas. 572.97 N900

1013 The North Americans of antiquity. Their origin, migrations, and type of civilization considered. 544 p. il. O. New York: Harper & Brothers, 1880.

Geikie, James. 551.79 P500 573 Anthropology

6753 The great ice age and its relation to the antiquity of man. Third edition, largely rewritten. xxviii,850 p. 78 il. 1 pl. 18 maps. O. New York: D. Appleton & Co., 1895.

Shaler, Nathaniel Southgate. 573.4 P100

4397 Nature and man in America. xiv,290 p. D. New York: C. Scribner's Sons, 1891.

Tylor, Edward Burnett. 573.02 O100

6326 Anthropology. An introduction to the study of man and civilization. xv,448 p. 78 il. D. (International scientific series, vol. 62.) New York: D. Appleton & Co., 1896, pref. 1881.

Wallace, Alfred Russel, 1823– 523.13 Q400

44152 Man's place in the universe; a study of the results of scientific research in relation to the unity or plurality of worlds, by Alfred R. Wallace, F.R.S., ... , Fourth edition with a new chapter entitled 'An additional argument dependent on the theory of evolution'. London, Chapman and Hall, ltd., 1904.

vi, [2], 341 p. 1 fold. map. 20½cm.

575 Evolution

Bosanquet, Bernard, *editor.* 304 B65

223 Aspects of the social problem, by various writers. x,334 p. D. London: Macmillan & Co., 1895.

Contents: 1–2. Bosanquet, B. The duties of citizenship. 3. Dendy, H. The children of working London. 4. M'Callum, M. The protection of children. 5. Dendy, H. The position of women in industry. 6. Dendy, H. Marriage in East London. 7. Dendy, H. The industrial residuum. 8. Bosanquet, B. Character in its bearing on social causation. 9. Dendy, H. Old pensioners. 10. Loch, C. S. Pauperism and old-age pensions. 11. Dendy, H. The meaning and methods of true charity. 12. M'Callum, M. Some aspects of reform. 13. Dendy, H. Origin and history of the English poor law. 14. Loch, C. S. Some controverted points in the administration of poor relief. 15. Loch, C. S. Returns as an instrument in social science. 16. Bosanquet, B. Socialism and natural selection. 17. Bosanquet, B. The principle of private property. 18. Bosanquet, B. The reality of the general will.

Brooklyn Ethical Association. 575 P101

8899 Evolution in science, philosophy, and art. Popular lectures and discussions before the Brooklyn Ethical Association. ix,475 p. 6 il. 3 por. O. New York: D. Appleton & Co., 1891.

"Collateral readings recommended", at the beginning of each paper.

Clodd, Edward. 575 P401

2217 A primer of evolution. viii,186 p. il. 1 pl. S. New York: Longmans, Green, & Co., 1895.

Conn, Herbert William. 575 P905

28391 The method of evolution. A review of the present attitude of science toward the question of the laws and forces which have brought about the origin of species .... ix,408 p. 25 il. O. New York: G. P. Putnam's Sons, 1900.

Eimer, Gustav Heinrich Theodor. 575 O801

9177 Organic evolution as the result of the inheritance of acquired characters according to the laws of organic growth. Translated by J. T. Cunningham. xxviii,435 p. 6 il. O. London: Macmillan & Co., 1890.

Haeckel, Ernst. 575 N900

463 The evolution of man: a popular exposition of the principal points of human ontogeny and phylogeny. From the German. 2 vol. il. pl. O. New York: D. Appleton & Co., 1886.

Haeckel, Ernst. 575 O901

13624 The history of creation; or, The development of the earth and its inhabitants by the action of natural causes. A popular exposition of the doctrine of evolution in general, and of that of Darwin, Goethe, and Lamarck in particular. From the eighth German edition. The translation revised by E. Ray Lankester. Fourth edition. 2 vol. il. pl. map. O. London: Kegan Paul, ... & Co., 1892.

Jordan, David Starr, 1851– **575 Q700** 575 Evolution

64546 Evolution and animal life; an elementary discussion of facts, processes, laws and theories relating to the life and evolution of animals, by David Starr Jordan ... and Vernon Lyman Kellogg ... . New York, D. Appleton and Co., 1907.

xi, 489 p. col. front., 298 illus., 2 col. pl. 21½cm.

Pearson, Karl. **110.2 Q002**

28903 The grammar of science. Second edition, revised and enlarged. xviii,548 p. 33 il. O. London: A. & C. Black, 1900.

"Literature" follows each chapter.

Romanes, George John. **575 P201**

11314 Darwin, and after Darwin. An exposition of the Darwinian theory and a discussion of post-Darwinian questions. ... . 3 vol. il. pl. por. facsim. O. Chicago: Open Court Publishing Co., 1892-1897.

Contents: Vol. 1. The Darwinian theory. Vol. 2. Post-Darwinian questions. Heredity and utility. Vol. 3. Post-Darwinian questions. Isolation and physiological selection.

Vol. 2 and 3 edited by C. Lloyd Morgan.

Romanes, George John. **150.2 O801**

9870 Mental evolution in man. Origin of human faculty. viii,[2], 452 p. il. 1 table. O. London: Kegan Paul, Trench & Co., 1888.

Weismann, August. **575 P102**

11226 Essays upon heredity and kindred biological problems. Edited by Edward B. Poulton, Selmar Schönland, and Arthur E. Shipley. Authorised translation.—Second edition. 2 vol. il. D. Oxford: Clarendon Press, 1891–1892.

Vol. 2 is in first edition.

Contents: Vol. 1. 1. The duration of life, 1881. 2. On heredity, 1883. 3. Life and death, 1883. 4. The continuity of the germ-plasm as the foundation of a theory of heredity, 1885. 5. The significance of sexual reproduction in the theory of natural selection, 1886. 6. On the number of polar bodies and their significance in heredity, 1887. 7. On the supposed botanical proofs of the transmission of acquired characters, 1888. 8. The supposed transmission of mutilations, 1888. Vol. 2. 9. Retrogressive development in nature, 1886. 10. Thoughts upon the musical sense in animals and man, 1889. 11. Remarks on certain problems of the day, 1890. 12. Amphimixis or the essential meaning of conjugation and sexual reproduction, 1891.

Davenport, Eugene, 1856– **636 Q701** 575.1 Heredity

63539 Principles of breeding; a treatise on thremmatology or the principles and practices involved in the economic improvement of domesticated animals and plants, by E. Davenport ... with appendix by H. L. Rietz ... . Boston, New York, [etc.], Ginn & Co., [c1907].

xiii, 727 p. incl. illus., tables, diagrs. 21½cm. (*On cover:* Country life education series.)

Contains "References."

575.1 Heredity

Galton, Francis. 575.1 G900

9413 Natural inheritance. ix,[2],259 p. 16 il. O. London: Macmillan & Co., 1889.

Ribot, Théodule. 136.3 O200

6050 Heredity: a psychological study of its phenomena, laws, causes, and consequences. From the French. x,393 p. O. New York: D. Appleton & Co., 1895.

Romanes, George John. 575.1 O600

16310 An examination of Weismannism. ix,221 p. 1 por. O. Chicago: Open Court Publishing Co., 1893.

Contents: 1. Statement of Weismann's system up to the year 1886. 2. Later additions to Weismann's system up to the year 1892. 3. Weismann's Theory of heredity (1891). 4. Examination of Weismann's Theory of evolution. 5. Weismannism up to date (1893). Appendix 1. On germ-plasm. 2. On telegony.

Thomson, John Arthur, 1861– 575.1 Q701

62696 Heredity. By J. Arthur Thomson, ... London, J. Murray, 1908.

xvi, 605 p. illus., 10 pl. (partly col.), 5 diagr. 21½cm. (*On cover:* The progressive science series.)

"Bibliography," p. 539–596.

Weismann, August. 575.1 N500

482 Studies in the theory of descent. With notes and additions by the author. Translated and edited, with notes, by Raphael Meldola. With a prefatory notice by Charles Darwin. 2 vol. paged continuously; vol. 1: xxxvi,1–400 p.; vol. 2: 401–729 p.; pl. O. London: Sampson Low, . . . , & Rivington, 1882.

Contents: On the seasonal dimorphism of butterflies.—On the final causes of transformation: 1. The origin of the markings of caterpillars. 2. On phyletic parallelism in metamorphic species. 3. The transformation of the Mexican axolotl into amblystoma. 4. On the mechanical conception of nature.

575.2 Variation

Darwin, Charles. 575.2 N600

15 The variation of animals and plants under domestication. Second edition, revised. . . . . 2 vol. il. O. New York: D. Appleton & Co., 1876.

Contains a chapter: The provisional hypothesis of pangenesis.

575.4 Natural selection

Wallace, Alfred Russel. 575.4 O900

1557 Darwinism. An exposition of the theory of natural selection, with some of its applications. xvi,494 p. 37 il. 1 por. 1 map. D. London: Macmillan & Co., 1889.

575.5 Sexual selection

Darwin, Charles. 575.5 N400

161 The descent of man, and selection in relation to sex. Second edition, revised . . . . xvi,688 p. 78 il. D. London: J. Murray, 1874.

Davenport, Charles Benedict. 591.4 P600 576 Origin of life

5524 Experimental morphology. 2 vol. paged continuously; vol. 1: i–xiv,1–280 p.; vol. 2: [2],xa–xb,xv–xviii,281–509 p. il. O. New York: Macmillan Co., 1897–1899.

"Literature" at the end of each chapter.

Contents: Vol. 1. Effect of chemical and physical agents upon protoplasm. Vol. 2. Effect of chemical and physical agents upon growth.

Hertwig, Oscar. 576.3 P200 576.3 Cells

12849 The cell. Outlines of general anatomy and physiology. Translated by M. Campbell, and edited by Henry Johnstone Campbell. xvi,368 p. 168 il. O. London: Swan Sonnenschein & Co., 1895.

"Literature," at the end of each chapter.

Wilson, Edmund Beecher. 576.3 Q001

23420 The cell in development and inheritance. Second edition revised and enlarged. xxi,483 p. 194 il. O. (COLUMBIA UNIVERSITY. Biological series, no. 4.) New York: Macmillan Co., 1900.

"General literature list", p. 449–469.

"Literature", at the end of each chapter.

Minot, Charles Sedgwick, 1852– 577 Q800 577 Life and death

68274 The problem of age, growth, and death; a study of cytomorphosis, based on lectures at the Lowell Institute, March, 1907, by Charles S. Minot . . . . New York and London, G. P. Putnam's Sons, 1908.

[6], v–xxii, [2], 280 p. incl. illus., tables, diagrs. 21½cm. (*Half-title:* The science series, edited by E. L. Thorndike . . . and F. E. Beddard . . . [vol. 21].)

Bibliographical foot-notes.

Carpenter, William Benjamin. 578.02 Q102 578 Microscopy

31773 The microscope and its revelations. Eighth edition in which the first seven and the twenty-third chapters have been entirely rewritten, and the text throughout reconstructed, enlarged, and revised by the Rev. W. H. Dallinger. xx,1181 p. il. 23 pl. 9 colored. O. London: J. & A. Churchill, 1901.

Gage, Simon Henry, 1851– 578.02 Q302

61960 The microscope; an introduction to microscopic methods and to histology, by Simon Henry Gage . . . . Ninth edition, revised, enlarged and illustrated by over two hundred figures. Ithaca, N. Y., Comstock Publishing Company, 1904.

iv, [2], 299 [*i.e.* 311] p. illus., plates, diagrs. 24cm.

Paging irregular: p. 8a–b, 267a–h, and 288a–b inserted between p. 8–9, 267–268 and 288–289, respectively.

"Bibliography," p. [282]–288, 288a–b.

Table of metric and English measures and table of natural series on lining-papers.

578 Microscopy

Griffith, John William, & Henfrey, Arthur. 578.03 O300

13691 The micrographic dictionary; a guide to the examination and investigation of the structure and nature of microscopic objects. Fourth edition. Edited by J. W. Griffith, assisted by the Rev. M. J. Berkeley, and T. Rupert Jones. 2 vol. in 1. il. pl. O. London: J. Van Voorst, 1883.

Vol. 1, text; vol. 2, plates.

Lee, Arthur Bolles. 578.9 Q001

25284 The microtomist's vade-mecum. A handbook of the methods of microscopic anatomy. Fifth edition. xiv,532 p. il. O. London: J. & A. Churchill, 1900.

Migula, Walther. 589.95 P200

6730 An introduction to practical bacteriology for physicians, chemists and students. Translated by M. Campbell and edited by H. J. Campbell. viii, 247 p. il. D. [Introductory science text-books.] London: Swan Sonnenschein & Co., 1893.

Sternberg, George Miller, 1838– L589.95 Q105

68257 A text-book of bacteriology, by G. M. Sternberg . . . . Second revised edition. New York, W. Wood and Co., 1901.

[2], xi, 708 p. illus., plates (partly col.) 25½cm.

The plates are accompanied by descriptive letter press on separate leaves.

Zimmermann, Albrecht. 578.8 P300

12093 Botanical microtechnique. A hand-book of methods for the preparation, staining, and microscopical investigation of vegetable structures. Translated from the German by James Ellis Humphrey. xii,296 p. 63 il. O. New York: H. Holt & Co., 1893.

"Literature", p. 265–283.

580 BOTANY

Atkinson, George Francis, 1854– 580.2 Q501

63555 A college text-book of botany; being an enlargement of the author's "Elementary botany," by George Francis Atkinson . . . . New York, H. Holt and Co., 1905.

xvi, 737, [2] p. front., illus. 20cm.

Behrens, Wilhelm Julius. 580.2 O200

17672 Text-book of general botany. Translation from the second German edition. Revised by Patrick Geddes. viii,374 p. 408 il. 4 tables. O. Edinburgh: Y. J. Pentland, 1885.

Gray, Asa. **580.2 O702** 580 Botany

13027 Field, forest and garden botany. A simple introduction to the common plants of the United States east of the 100th meridian, both wild and cultivated. Revised and extended by L. H. Bailey. 519 p. O. New York: American Book Co., c. 1895.

Published with Gray, A. Gray's Lessons in botany, under the title: Gray's school and field book of botany.

Gray, Asa, 1810–1888. **580.2 O702**

13026 Gray's Lessons in botany. Revised edition. The elements of botany for beginners and for schools by Asa Gray. New York, Chicago, [etc.], American Book Company, [c1887].

[2], viii, [9]–226 p. 589 illus. 21½cm.

Published with *his* Field, forest, and garden botany, under half-title: Gray's school and field book of botany.

Another copy, published with *his* Manual of the botany of the northern United States, under cover-title: Gray's lessons and manual of botany, has shelf number **580.2 O703**

Gray, Asa. **580.2 N901**

16702 Structural botany, or, Organography on the basis of morphology. To which is added the principles of taxonomy and phytography, and a glossary of botanical terms. (Sixth edition.) xii,442 p. 695 il. O. (Gray's botanical text-book, vol. 1.) New York: American Book Co., c. 1879.

Kerner, Anton Joseph *Ritter* **von Marilaun,** 1831–1898. **L580.2 O700**

6308 a The natural history of plants: their forms, growth, reproduction, and distribution. From the German of Anton Kerner von Marilaun, ... Translated and edited by F. W. Oliver, . . . with the assistance of Marian Busk . . . and Mary F. Ewart, ... With about 2000 original woodcut illustrations and sixteen plates in colours. . . . . New York, H. Holt & Co., 1895.

2 vol. in 4. illus., XVI col. pl. (incl. fronts.) 28cm.

Strasburger, Eduard, 1844– **580.2 Q800**

65694 A text-book of botany. By Dr. Eduard Strasburger, . . . , Dr. Fritz Noll, . . . , Dr. Heinrich Schenck, . . . , Dr. George Karsten, ... Third English edition, revised with the eighth German edition by W. H. Lang, ... With 779 illustrations, in part coloured. London, Macmillan and Co., ltd., 1908.

x, 746 p. 779 illus. 23cm.

"Index of literature," p. 691–715.

Bailey, Liberty Hyde, *editor.* **L634 Q001** 580.3 Dictionaries

21544 Cyclopedia of American horticulture. Comprising suggestions for cultivation of horticultural plants, descriptions of the species of fruits, vegetables, flowers and ornamental plants sold in the United States and Canada, together with geographical and biographical sketches. By L. H. Bailey, assisted by Wilhelm Miller . . . . 4 vol. il. Q. New York: Macmillan Co., 1900–1902.

580.3 Botanical dictionaries

Jackson, Benjamin Daydon. 580.3 Q501

51109 A glossary of botanic terms with their derivation and accent. By Benjamin Daydon Jackson. Second edition, revised and enlarged. London, Duckworth & Co.; Philadelphia, J. B. Lippincott Company, 1905.

xi, [1], 371, [1] p. 20cm.

Loudon, [John Claudius]. 580.3 L500

4338 Loudon's encyclopædia of plants; comprising the specific character, description, culture, history, application in the arts, and every other desirable particular respecting all the plants indigenous to, or introduced into Britain. Edited by Mrs. Loudon, assisted by George Don and David Wooster. . . . . xxii,1574 p. il. O. London: Longmans, Green, & Co., 1880.

Nicholson, George, *editor.* L634 O400

15975 The illustrated dictionary of gardening, a practical and scientific encyclopædia of horticulture for gardeners and botanists. Edited by George Nicholson, assisted by professor J. W. H. Trail, in the parts relating to insects, fungi, plant structure, horticultural chemistry, &c.; and J. Garrett in the fruit, vegetable, and general garden work portions. 5 vol. in 6. il. colored pl. sq.Q. London: L. U. Gill, [1884–1901].

Vol. 5, [part 1] published under the title: The "1900" supplement to The dictionary of gardening, . . . ; [part 2], The century supplement . . . .

Robinson, William. 710.2 R56

16685 The English flower garden. Design and arrangement shown by existing examples of gardens in Great Britain and Ireland followed by a description of the best plants for the open-air garden and their culture. Sixth edition. xii,832 p. il. O. London: J. Murray, 1898.

580.4 Essays

Allen, Grant. 580.4 A425

6893 Flowers and their pedigrees. [6],266 p. 54 il. D. New York: D. Appleton & Co., 1884.

Robinson, William. 716 R56

16999 The wild garden; or, The naturalization and natural grouping of hardy exotic plants, with a chapter on the garden of British wild flowers. Fourth edition illustrated by Alfred Parsons. xx,304 p. il. 11 pl. paged in, 1 pl. O. London: J. Murray, 1894.

580.9 History of botany

Hulme, Frederic Edward. 398.35 H871

17064 Myth-land. viii,243 p. il. D. London: Sampson Low, . . . , & Rivington, 1886.

Sachs, Julius von. 580.9 N500 580.9 History of botany

10851 History of botany (1530–1860). Authorised translation by Henry E. F. Garnsey. Revised by Isaac Bayley Balfour. xv, [1],568 p. D. Oxford: Clarendon Press, 1890.

Allen, Grant. 581 P600 581 Physiological and morphological botany

6059 The story of the plants. 213 p. 49 il. S. [Library of useful stories.] New York: D. Appleton & Co., 1896.

Arthur, Joseph Charles, & MacDougal, Daniel Trembly. 581 P800

11578 Living plants and their properties. A collection of essays. ix, 234 p. il. 1 pl. O. New York: Baker & Taylor, 1898.

Bailey, Liberty Hyde. 634 P800

16766 The pruning-book. A monograph of the pruning and training of plants as applied to American conditions. ix,[2],537 p. 331 il. S. [Garden-craft series.] New York: Macmillan Co., 1898.

Coulter, John Merle. 581 P900

20030 Plant relations. A first book of botany. vii,264 p. 206 il. O. (Twentieth century text-book.) New York: D. Appleton & Co., 1899.

Massee, George. 581 P101

5293 The evolution of plant life. Lower forms. viii,242 p. 38 il. D. [University extension series.] London: Methuen & Co., 1891.

Sachs, Julius von. 581 O200

10730 Outlines in classification and special morphology of plants. By Dr. K. Goebel. A new edition of Sachs' Text-book of botany, book II. Authorised English translation by Henry E. F. Garnsey. Revised by Isaac Bayley Balfour. xii,515 p. 407 il. O. Oxford: Clarendon Press, 1887.

Sachs, Julius von. 581 O201

13828 Text-book of botany, morphological and physiological. Edited, with an appendix, by Sidney H. Vines. Second edition. xii, 980 p. 492 il. O. Oxford: Clarendon Press, 1882.

Darwin, Charles. 581.13 N500 581.1 Plant physiology

16 Insectivorous plants. x,462 p. 30 il. O. New York: D. Appleton & Co., 1875.

Darwin, Francis, & Acton, E. Hamilton. 581.1 P500

9196 Practical physiology of plants. Second edition. xix,[3],340 p. 45 il. D. [Cambridge natural science manuals. Biological series.] Cambridge: University Press, 1895.

581.1 Plant Physiology

Detmer, Wilhelm. 581.1 P501

18777 Practical plant physiology. An introduction to original research for students and teachers of natural science, medicine, agriculture and forestry. Translated from the second German edition by S. A. Moor. xix,555 p. 184 il. O. London: Swan Sonnenschein & Co., 1898.

Green, Joseph Reynolds. 581.1 Q001

30085 An introduction to vegetable physiology. xx,459 p. 184 il. O. London: J. & A. Churchill, 1900.

Jost, Ludwig, 1865– 581.1 Q602

67987 Lectures on plant physiology, by Dr. Ludwig Jost .... Authorized English translation by R. J. Harvey Gibson .... With 172 illustrations. Oxford, Clarendon Press, 1907.

xiv, 564 p. illus. 25cm.

Bibliography at the end of each lecture.

Pfeffer, Wilhelm Friedrich Philipp, 1845– 581.1 P701

61920 The physiology of plants; a treatise upon the metabolism and sources of energy in plants, by Dr. W. Pfeffer ... Second fully revised edition, translated and edited by Alfred J. Ewart .... Oxford, Clarendon Press, 1900–1906.

3 vol. illus. 25cm.

581.15 Plant breeding

Bailey, Liberty Hyde. 634 P801

17169 Sketch of the evolution of our native fruits. xiii,472 p. 125 il. 1 por. D. New York: Macmillan Co., 1898.

"American grape literature", p. 117–126.

Vries, Hugo de, 1848 581.15 Q700

65329 Plant-breeding; comments on the experiments of Nilsson and Burbank, by Hugo de Vries .... Chicago, The Open Court Publishing Co.; [etc., etc.], 1907.

[2], v–xiii, [2], 360 p. illus. (incl. ports.) 20cm.

581.157 Color

Allen, Grant. 581.157 O200

17534 The colours of flowers as illustrated in the British flora. vi,119 p. 45 il. D. (Nature series.) London: Macmillan & Co., 1882.

581.17 Movement

Darwin, Charles. 581.17 O100

14559 The power of movement in plants. By Charles Darwin, assisted by Francis Darwin. x,592 p. 196 il. O. New York: D. Appleton & Co., 1897.

581.2 Plant diseases

Ward, Harry Marshall. 581.2 Q100

30916 Disease in plants. xiv,[2],309 p. D. London: Macmillan & Co., 1901.

Ward, Harry Marshall. 634.9 O900 581.2 Plant diseases

4841 Timber and some of its diseases. viii,295 p. 45 il. D. (Nature series.) London: Macmillan & Co., 1889.

Rusby, Henry Hurd, & Jelliffe, Smith Ely. 581.4 P901 581.4 Morphology

23015 Morphology and histology of plants designed especially as a guide to plant-analysis and classification, and as an introduction to pharmacognosy and vegetable physiology. Part I. The morphology of plants by Henry H. Rusby. Part II. Plant histology by Smith Ely Jelliffe. xi,378 p. 693 il. O. New York: Published by the authors, 1899.

A new and enlarged edition of their Essentials of pharmocognosy.

Darwin, Charles. 581.5 N600 581.5 Habits of plants

14 The movements and habits of climbing plants. Second edition, revised. viii,208 p. 13 il. O. New York: D. Appleton & Co., 1876.

Taylor, John Ellor. 581.5 O400

8946 The sagacity & morality of plants. A sketch of the life & conduct of the vegetable kingdom. A new edition. xi,311 p. 100 il. 1 pl. D. London: Chatto & Windus, 1891.

Boulger, George Simonds, 1853– 674 Q202 581.6 Economic botany

50222 Wood; a manual of the natural history and industrial applications of the timbers of commerce. By G. S. Boulger .... With 82 illustrations. London, E. Arnold, 1902.

viii, 369 p. illus., 4 pl. 19cm.

"Select bibliography," p. 351–352.

Candolle, Alphonse de. 581.61 O201

43 Origin of cultivated plants. viii,[2],468 p. D. (International scientific series, vol. 48.) New York: D. Appleton & Co., 1885.

Freeman, William George. L581.64 Q600

56945 The world's commercial products. A descriptive account of the economic plants of the world and of their commercial uses. By W. G. Freeman, ... and S. E. Chandler, ... , with contributions by T. A. Henry, ... , C. E. Jones, ... and E. H. Wilson. London, Sir I. Pitman and Sons, ltd., 1907.

[8], viii, 391 p. illus., XII col. pl. 28 x 21½cm.

Massart, Jean, & Vandervelde, Emile. 304 M38

7808 Parasitism, organic and social. Translated by William Macdonald, revised by J. Arthur Thomson. With a preface by Prof. Patrick Geddes. xi,124 p. D. [Social science series, vol. 86.] London: Swan Sonnenschein & Co., 1895.

"Works consulted," p. 123–124.

581.6 Economic botany

Matthews, Joseph Merritt, 1874– 677 Q700

63983 The textile fibres; their physical, microscopical and chemical properties, by J. Merritt Matthews . . . . Second edition, rewritten. . . . . New York, J. Wiley & Sons; [etc., etc.], 1907.

viii, 480 p. incl. illus., tables. 23½cm.

"Bibliography of the textile fibres," p. 431–438.

Smith, John. 581.61 O200

17880 A dictionary of popular names of the plants which furnish the natural and acquired wants of man, in all matters of domestic and general economy. Their history, products, & uses. ix,457 p. O. London: Macmillan & Co., 1882.

581.8 Histology

Strasburger, Eduard. 581.8 Q001

27619 Handbook of practical botany . . . . Translated and edited from the German, with many additional notes by W. Hillhouse. Fifth edition. Rewritten and enlarged. xxxii,519 p. 160 il. O. London: Swan Sonnenschein & Co., 1900.

581.9 Plant geography

Drude, Oscar. L581.9 O700

12791 Atlas der Pflanzenverbreitung. 6 p. 8 maps. F⁴. (BERGHAUS' PHYSIKALISCHER ATLAS. [Dritte Ausgabe.] Abteilung 5.) Gotha: J. Perthes, 1887.

Schimper, Andreas Franz Wilhelm, 1856–1901. 581.9 P801

63520 Plant-geography upon a physiological basis, by Dr. A. F. W. Schimper . . . the authorized English translation by William R. Fisher . . . . Revised and edited by Percy Groom . . . and Isaac Bayley Balfour . . . . With a photogravure portrait, five collotypes, four maps, and four hundred and ninety-seven other illustrations. Oxford, Clarendon Press, 1903.

xxx, [2], 839, [1] p. front., illus., plates, 4 fold. maps. 25cm.

"Select literature" at end of chapters.

Wallace, Alfred Russel. 570.4 W151

27090 Natural selection and Tropical nature. Essays on descriptive and theoretical biology. New edition with corrections and additions. xii,492 p. O. London: Macmillan & Co., 1895.

Contents: Natural selection: 1. On the law which has regulated the introduction of new species. 2. On the tendency of varieties to depart indefinitely from the original type. 3. Mimicry, and other protective resemblances among animals. 4. On instinct in man and animals. 5. The philosophy of birds' nests. 6. A theory of birds' nests. 7. Creation by law. 8. The development of human races under the law of natural selection. 9. The limits of natural selection as applied to man. Tropical nature and other essays: 1. The climate and physical aspects of the equatorial zone. 2. Equatorial vegetation. 3. Animal life in the tropical forests. 4. Humming birds: as illustrating the luxuriance of tropical nature. 5. The colours of animals and sexual selection. 6. The colours of plants and the origin of the colour-sense. 7. The antiquity and origin of man. 8. The antiquity of man in North America. 9. The debt of science to Darwin.

"The present volume consists mainly of a reprint of two volumes of essays—'Contributions to the theory of natural selection', which appeared in 1870, . . . , and has now been many years out of print: and, 'Tropical nature and other essays', which appeared in 1878." *Preface.*

Britton, Nathaniel Lord, & Brown, Addison. **L581.97 P600** 581.97 North American flora

5636 An illustrated flora of the northern United States, Canada, and the British possessions, from Newfoundland to the parallel of the southern boundary of Virginia, and from the Atlantic Ocean westward to the 102d meridian. . . . . 3 vol. il. Q. New York: C. Scribner's Sons, 1896–1898.

Gray, Asa, *& others.* **L581.97 P500**

17528 Synoptical flora of North America: vol. I.—Part I. Fascicles I and II. Polypetalæ from the ranunculaceæ to the polygalaceæ. (Thalamifloræ et discifloræ.) Edited by Benjamin Lincoln Robinson. 1895–1897. xv,506 p. Q. New York: American Book Co. c. 1895–1897.

Newhall, Charles Stedman. **581.97 P300**

6345 The shrubs of northeastern America. 249 p. il. O. New York: G. P. Putnam's Sons, 1895.

Newhall, Charles Steadman. **581.97 P700**

10230 The vines of northeastern America. xxx,207 p. il. O. New York: G. P. Putnam's Sons, 1897.

Britton, Nathaniel Lord, 1859– **L582 Q800** 582 Trees

63784 . . . . North American trees, being descriptions and illustrations of the trees growing independently of cultivation in North America, north of Mexico and the West Indies. By Nathaniel Lord Britton, ... with the assistance of John Adolf Shafer, ... New York, H. Holt and Co., 1908.

x, [2], 894 p. 781 illus. 26cm. (American nature series. Group I. Classification of nature.)

Newhall, Charles Stedman. **581.974 P001**

4465 The trees of northeastern America. Illustrations from original sketches. With an introductory note by Nath. L. Britton. xiv, 250 p. il. O. New York: G. P. Putnam's Sons, 1895, c. 1890.

Rogers, Julia Ellen. **L582 Q505**

63554 The tree book; a popular guide to a knowledge of the trees of North America and to their uses and cultivation, by Julia Ellen Rogers; with sixteen plates in colour and one hundred and sixty in black-and-white from photographs by A. Radclyffe Dugmore. New York, Doubleday, Page & Co., 1905.

xx, 589 p. plates (16 col., incl. front.) 26½cm.
Plates in black and white printed on both sides.

582 Trees

Sargent, Charles Sprague, 1841– **582 Q500**

63976 Manual of the trees of North America (exclusive of Mexico) by Charles Sprague Sargent ... with six hundred and forty-four illustrations from drawings by Charles Edward Faxon. Boston and New York, Houghton, Mifflin and Co., 1905.

xxiii, 826, [2] p. front. (map), illus. 22½cm.

Weathers, John. **716 W37**

30941 A practical guide to garden plants. Containing descriptions of the hardiest and most beautiful annuals and biennials; hardy herbaceous and bulbous perennials; hardy water and bog plants; flowering and ornamental trees and shrubs; conifers; hardy ferns: hardy bamboos and other ornamental grasses. Also the best kinds of fruits and vegetables that may be grown in the open air in the British Islands, with full and practical instructions as to culture and propagation. xii,1192 p. 163 il. O. London: Longmans, Green & Co., 1901.

586–587 Mosses and ferns

Campbell, Douglas Houghton, 1859– **586 Q500**

62012 The structure and development of mosses and ferns (*Archegoniatae*) by Douglas Houghton Campbell ... . [Second edition.] New York, London, The Macmillan Company, 1905.

vii, 657 p. illus. 22½cm.
Bibliography, p. 607–630.

Clute, Willard Nelson, 1869– **587 Q500**

63551 The fern allies of North America north of Mexico, by Willard Nelson Clute ... with more than one hundred and fifty illustrations by Ida Martin Clute. New York, F. A. Stokes Company, [1905].

xiv, 278 p. col. front., illus., plates (partly col.) 21cm.

Waters, Campbell Easter. **L587.3 Q300**

63553 Ferns; a manual for the northeastern states, with analytical keys based on the stalks and on the fructification, with over two hundred illustrations from original drawings and photographs, by Campbell E. Waters .... New York, H. Holt and Co., 1903.

xi, 362 p. incl. front., illus. 26cm.

589.1 Lichens

Schneider, Albert. **589.1 P800**

17784 A guide to the study of lichens. xii,[2],234 p. 11 pl. D. Boston: B. Whidden, 1898.

Atkinson, George Francis. 589.22 Q101 589.2 Fungi

50209 Studies of American fungi. Mushrooms, edible, poisonous, etc. [Second edition.] By G. F. Atkinson . . . . Recipes for cooking mushrooms, by Mrs. Sarah T. Rorer. Chemistry and toxicology of mushrooms, by J. F. Clark. With 230 photographs by the author, and colored plates by F. R. Rathbun. Ithaca, N. Y., Andrus & Church, 1901.

vi, 322 p. col. front., illus., plates (partly col.) 24cm.

Cooke, Mordecai Cubitt. 589.2 N400

570 Fungi: their nature and uses. Edited by the Rev. M. J. Berkeley. xii,299 p. 109 il. D. (International scientific series, vol. 15.) New York: D. Appleton & Co., 1880.

Underwood, Lucien Marcus, 1853– 589.2 P901

20013 Moulds, mildews and mushrooms. A guide to the systematic study of the fungi and mycetozoa and their literature by Lucien Marcus Underwood . . . . New York, H. Holt & Co., 1899.

v, 236 p. col. front., 9 pl. 19cm.

"The geographic distribution of American fungi," with bibliographical references, p. 165–200; also bibliographical references for each order.

589.9 BACTERIOLOGY

Conn, Herbert William, 1859– 589.9 Q300

65595 Bacteria, yeasts, and molds in the home, by H. W. Conn . . . . Boston and London, Ginn & Co., 1903.

vi, 293 p. illus., diagrs. 19cm.

Conn, Herbert William. 589.95 P706

9686 The story of germ life. 199 p. 34 il. S. [Library of useful stories.] New York: D. Appleton & Co., 1897.

Hansen, Emil Christian. 663.1 P500

4329 Practical studies in fermentation: being contributions to the life history of micro-organisms. Translated by Alex. K. Miller, and revised by the author. xiv,277 p. 19 il. O. London: E. & F. N. Spon, 1896.

589.9 Bacteriology

Hill, John Willmuth. 628.16 P801

17977 The purification of public water supplies. xi,304 p. 32 il. O. New York: D. Van Nostrand Co., 1898.

Contents: 1. Introduction. 2. Sources of public water supply. 3. Bacterial contents of various waters. 4. The typhoid bacillus and typhoid fever. 5. Classification of cities by typhoid fever statistics. 6. Pure and purified waters. 7. Citations on typhoid fever epidemics. 8. Sedimentation of polluted waters. 9. Sterilization of drinking-water. 10. Filtration of water supplies. 11. Types of sand filters. 12. Mechanical filters. 13. Hamburg settling-basins and filters. 14. The filters of the Berlin water-works. 15. The Fischer filter and Anderson purifier. 16. Filters proposed for Cincinnati. 17. Cost of filters and filtration. Appendix A. Typhoid fever statistics from large cities of the world. Appendix B. The bacteria. Appendix C. The legal liability of cities and water companies for damages by sewage polluted water.

"Authorities quoted or referred to," p. 290–293.

Jörgensen, Alfred. 589.9 P801

24624 Micro-organisms and fermentation. Translated by Alex. K. Miller, & A. E. [*sic i.e. E. A.*] Lennholm. Third edition. Completely revised. xiii,[2],318 p. 83 il. O. London: Macmillan & Co., 1900.

"Bibliography," p. 277–318.

Migula, Walther. 589.95 P200

6730 An introduction to practical bacteriology for physicians, chemists and students. Translated by M. Campbell and edited by H. J. Campbell. viii, 247 p. il. D. [Introductory science text-books.] London: Swan Sonnenschein & Co., 1893.

Newman, George, *F. R. S.* 589.95 Q002

30083 Bacteria, especially as they are related to the economy of nature, to industrial processes and to the public health. Second edition with additional matter, including new chapters on tropical diseases and the bacterial treatment of sewage. xvi,397 p. il. 10 pl. 1 paged in. O. [Progressive science series.] London: J. Murray, 1900.

Smith, William Robert. 543.02 P602

7770 The laboratory text-book of public health. xx,322 p. 82 il. 9 pl. O. London: H. Renshaw, 1896.

Sternberg, George Miller, 1838– L589.95 Q105

68257 A text-book of bacteriology, by G. M. Sternberg . . . . Second revised edition. New York, W. Wood and Co., 1901.

[2], xi, 708 p. illus., plates (partly col.) 25½cm.

The plates are accompanied by descriptive letter press on separate leaves.

Sykes, Walter John. 663.3 P701

17668 The principles and practice of brewing. xix,511 p. il. 1 pl. O. London: C. Griffin & Co., 1897.

Woodhead, German Sims. 589.95 P100 589.9 Bacteriology

75 Bacteria and their products. With ... an appendix giving a short account of bacteriological methods, and a diagnostic description of the common bacteria. xiii,459 p. 20 il. D. [Contemporary science series.] New York: Scribner & Welford, 1891.

590 ZOOLOGY

Agassiz, Louis. 590.1 M300 590.1 Theory and classification

8082 Methods of study in natural history. Twenty-first edition. viii, 319 p. il. O. Boston: Houghton, Mifflin & Co., 1893.

Brooks, William Keith. 590.1 P900

17885 The foundations of zoölogy. [A course of lectures delivered at Columbia University on the principles of science as illustrated by zoology.] viii,339 p. O. (COLUMBIA UNIVERSITY. Biological series, vol. 5.) New York: Macmillan Co., 1899.

Contents: 1. Introductory. 2. Huxley, and the problem of the naturalist. 3. Nature and nurture. 4. Lamarck. 5. Migration in its bearings on Lamarckism. 6, part I. Zoölogy, and the philosophy of evolution. 6, part II. A note on the views of Galton and Weismann on inheritance. 7. Galton, and the statistical study of inheritance. 8. Darwin, and the origin of species. 9. Natural selection, and the antiquity of life. 10. Natural selection and natural theology. 11. Paley, and the argument from contrivance. 12. The mechanism of nature. 13. Louis Agassiz and George Berkeley.

Concilium bibliographicum, *Zurich.* 025.4 C745

37902 . . . . Conspectus methodicus et alphabeticus numerorum classificationis bibliographici auctoritate Instituti bibliographici internationalis Bruxellensis ampliatus a Concilio bibliographico. Palaeontologia — biologia generalis — microscopia — zoologia, 56–57–59. (English edition.) . . . . Turici, sumptibus Concilii bibliographici; Bruxelles, Office international de bibliographie, [etc.], 1902.

cover-title, 63, [1] p. 23½cm. (Office international de bibliographie. Publication no. 58 e.)

Founded on the Decimal classification of Melvil Dewey.

Richet, Charles Robert, 1850– 025.49591 R39

63989 . . . . Conspectus methodicus et alphabeticus numerorum "Systematis decimalis" ad usum bibliographiae physiologicae confectus auctoritate Instituti bibliographici internationalis bruxellensis. Editio nova, ampliata sub auspiciis Prof. Caroli Richet ab Dr. H. Jordan. ⟨025.4:612⟩. Zurich, Concilium bibliographicum, 1905.

cover-title, 73 p. 23cm. (Office internationale de bibliographie. Publication no. 72e.)

590.2 Zoological text-books and treatises

Brehm, Alfred Edmund. **L590.2 P001**

12570 Brehms Tierleben. Allgemeine Kunde des Tierreichs. Dritte, gänzlich neubearbeitete Auflage. Von Prof. Dr. Pechuel-Loesche. . . . . 10 vol. and index. il. pl. por. maps. Q. Leipzig: Bibliographisches Institut, 1890–[1897].

Contents: Vol. 1–3. Brehm, A. E. Die Säugetiere. Unter Mitwirkung von Dr. Wilh. Haacke neubearbeitet von Professor Dr. Pechuel-Loesche. Vol. 4–6. Brehm, A. E. Die Vögel. Unter Mitwirkung von Dr. Wilh. Haacke neubearbeitet von Professor Dr. Pechuel-Loesche. Vol. 7. Brehm, A. E. Die Kriechtiere und Lurche. Neubearbeitet von Professor Dr. O. Boettger und Professor Dr. Pechuel-Loesche. Vol. 8. Brehm, A. E. Die Fische. Unter Mitwirkung von Dr. Wilh. Haacke neubearbeitet von Professor Dr. Pechuel-Loesche. Vol. 9. Taschenberg, E. L. Die Insekten, Tausendfüsser und Spinnen. Vol. 10. Schmidt, O. Die niederen Tiere. Neubearbeitet von Professor Dr. W. Marshall.

Claus, Carl. **590.2 N900**

8243 Elementary text-book of zoology. . . . . By Dr. C. Claus, ... Translated and edited by Adam Sedgwick, F.R.S. . . . . With the assistance of F. G. Heathcote, M.A., ... Volume 1–[2]. London, Swan Sonnenschein & Co., 1892–1897.

2 vol. 22cm.

Contents.—vol. 1. General part and special part: protozoa to insecta. Fourth edition. With 491 woodcuts. 1892. 615 p. 491 illus.—vol. 2. Special part: molusca to man. [Sixth edition.] With 215 woodcuts. 1897. 352 p. 215 illus.

Harmer, Sidney Frederic, & Shipley, A. E., *editors.* **590.8 3**

16572 The Cambridge natural history. Vol. 1–. il. maps. O. London: Macmillan & Co., 1895–.

Vol. 3 published at New York.

Jordan, David Starr, 1851– **590.2 Q300**

63550 . . . Animal studies; a text-book of elementary zoology for use in high schools and colleges, by David Starr Jordan . . . , Vernon Lyman Kellogg . . . and Harold Heath . . . . New York, D. Appleton and Co., 1903.

viii, 459 p. illus. 20cm. (Twentieth century text-books.)

Living animals of the world. **L590.2 Q103**

33377 The living animals of the world. A popular natural history. An interesting description of beasts, birds, fishes, reptiles, insects, etc., with authentic anecdotes. . . . . 2 vol. paged continuously. il. colored pl. sq.Q. London: Hutchinson & Co., [1901–1902].

Contents: Vol. 1. Mammals. [4],viii,1–384 p. il. 13 colored pl. [1901.] Vol. 2. Birds, reptiles and amphibians, fishes, jointed animals, molluscs, etc. [4],385–776 p. il. 12 colored pl. [1902.]

Lydekker, Richard, *& others.* **590.2 P701**

9442 The concise knowledge natural history. [The animal kingdom.] By R. Lydekker; R. Bowdler Sharpe; W. F. Kirby; W. Garstang; B. B. Woodward; F. A. Bather; R. Kirkpatrick; R. I. Pocock; and H. M. Bernard. xvi,771 p. 530 il. O. [Concise knowledge library.] London: Hutchinson & Co., 1897.

Packard, Alpheus Spring, 1839– **590.2 P200** 590.2 Zoological text-books and treatises

6030 . . . . Zoology for high schools and colleges. By A. S. Packard, ... Ninth edition, revised. New York, H. Holt & Co., 1895.

viii, 722 p. 545 illus., 19 pl. 22cm. (American science series—advanced course.)

Some of the plates have illustrations on both sides.

"Bibliography," p. [685]–688.

Parker, Thomas Jeffery, & Haswell, William A. **590.2 P702**

15713 A text-book of zoology. 2 vol. il. O. London: Macmillan & Co., 1897.

"Guide to modern zoological literature," vol. 2, p. 651–655.

Sedgwick, Adam, *M.A.* **590.2 P800**

15864 A student's text-book of zoology. Vol. 1–. il. O. London: Swan Sonnenschein & Co., 1898–.

Shipley, Arthur Everett. **590.2 Q100**

50290 Zoology; an elementary text-book by A. E. Shipley . . . and E. W. MacBride . . . . New York, London, The Macmillan Company, 1901.

xxi, 632 p. illus. 23cm. (*Half-title:* Cambridge natural science manuals. Biological series.)

Ziegler, Heinrich Ernst, 1858– , *ed.* **L590.3 Q700** 590.3 Dictionaries

59360 Zoologisches Wörterbuch. Erklärung der zoologischen Fachausdrücke. Zum Gebrauch beim Studium zoologischer, entwicklungsgeschichtlicher und naturphilosophischer Werke verfasst von Dr. F. Bresslau, . . . , Professor Dr. J. Eichler, . . . , Dr. E. Fraas . . . , Professor Dr. K. Lampert . . . , Dr. Heinrich Schmidt . . . und Professor Dr. H. E. Ziegler . . . , herausgegeben von Prof. Dr. H. E. Ziegler . . . . Mit . . . Abbildungen im Text. Jena, G. Fischer, 1907–.

Vol. 1–. illus. 26½cm.

Mivart, St. George. **590.4 M69** 590.4 Essays

12120 American types of animal life. viii,374 p. 103 il. D. Boston: Little, Brown & Co., 1894.

Bateman, Gregory C. **590.7 P700** 590.7 Aquariums

10853 The vivarium, being a practical guide to the construction, arrangement, and management of vivaria, containing full information as to all reptiles suitable as pets, how and where to obtain them, and how to keep them in health. [4],424 p. il. 6 pl. D. London: L. U. Gill, pref. 1897.

590.7 Aquariums

Furneaux, William S. 590.7 P600

6029 Life in ponds and streams. 406 p. 311 il. 8 pl. D. London: Longmans, Green, & Co., 1896.

590.92 Biography of zoologists

Audubon, Maria R. 590.9205 A9161

11981 Audubon and his journals. With zoölogical and other notes by Elliott Coues. 2 vol. pl. por. facsim. O. New York: C. Scribner's Sons, 1897.

590.93 Zoological myths

Hulme, Frederic Edward. 398.35 H871

17064 Myth-land. viii,243 p. il. D. London: Sampson Low, ... , & Rivington, 1886.

591 Physiological and morphological zoology

Hertwig, Oscar. 576.3 P200

12849 The cell. Outlines of general anatomy and physiology. Translated by M. Campbell, and edited by Henry Johnstone Campbell. xvi,368 p. 168 il. O. London: Swan Sonnenschein & Co., 1895.

"Literature," at the end of each chapter.

Ladd, George Trumbull. 150.2 O701

1596 Elements of physiological psychology. A treatise of the activities and nature of the mind, from the physical and experimental point of view. xii,696 p. 114 il. O. New York: C. Scribner's Sons, 1887.

Letourneau, Charles. 570.2 N600

4498 Biology. Translated from the French. New edition. xi,480 p. 83 il. O. London: Chapman & Hall, 1890.

591.1 Physiological zoology

Gillespie, Alexander Lockhart. 591.13 P800

22956 The natural history of digestion. xxv,[1],427 p. il. 8 tables. D. [Contemporary science series, vol. 34.] London: W. Scott, 1898.

"In the present volume an attempt has been made to describe in a brief compass the general laws governing digestive processes in all living bodies." *Preface.*

Henry, William Arnon. 636 P800

15094 Feeds and feeding. A hand-book for the student and stockman. vi,657 p. O. Madison, Wis.: published by the author, 1898.

Morgan, Thomas Hunt, 1866– 591.1 Q700

84547 Experimental zoölogy, by Thomas Hunt Morgan .... New York, London, The Macmillan Company, 1907.

xii, 454 p. illus., 2 pl. (1 col., 1 fold.) diagrs. 22½cm.

"Literature" at end of chapters.

Contents. — Experimental study of evolution. — Experimental study of growth. — Experimental studies in grafting. — Experimental studies of the influence of the environment on the life-cycle. — Experimental study of the determination of sex. — Experimental study of secondary sexual characters.

Schäfer, Edward Albert, 1850– , *ed.* **L591.1 P800** 590.1 Physiological zoology

62033 Text-book of physiology; edited by E. A. Schäfer . . . . Edinburgh & London, Y. J. Pentland, 1898–1900.

2 vol. 26cm.

Contents. — vol. 1. The chemical constituents of the body and food, by W. D. Halliburton. The chemistry of the tissues and organs, by W. D. Halliburton. The blood, by E. A. Schäfer. Hæmoglobin; its compounds and the principal products of its decomposition, by A. Gamgee. A general account of the processes of diffusion, osmosis, and filtration, by E. W. Reid. The production and absorption of lymph, by E. H. Starling. Chemistry of the digestive processes, by B. Moore. The salivary glands, by J. N. Langley. Mechanism of secretion of gastric, pancreatic and intestinal juices, by J. S. Edkins. Mechanism of bile secretion, by D. N. Paton. The chemistry of the urine, by F. G. Hopkins. The mechanism of the secretion of urine, by E. H. Starling. The mechanism of the secretion of milk, by E. A. Schäfer. Secretion and absorption by the skin, by E. W. Reid. Chemistry of respiration, by M. S. Pembrey. Animal heat, by M. S. Pembrey. Metabolism, by E. A. Schäfer. The influence of the ductless glands upon metabolism — internal secretions, by E. A. Schäfer. 1898. xviii, [2], 1036 p. 92 illus., III diagr. — vol. 2. The mechanism of the circulation of the blood, by L. Hill. The contraction of cardiac muscle, by W. H. Gaskell. Animal mechanics, by J. B. Haycraft. The muscular and nervous mechanism of the respiratory movements, by E. A. Starling. The muscular and nervous mechanisms of the digestive tract, by E. H. Starling. The muscular mechanisms of the urinary tract, by E. H. Starling. The muscular mechanisms of the generative apparatus, by E. H. Starling. The mechanical, thermal, and electrical properties of striped muscle, by J. B. Sanderson. Nerve, by F. Gotch. The physiology of electrical organs, by F. Gotch. The nerve cell, by E. A. Schäfer. The sympathetic and other related systems of nerves, by J. N. Langley. The cerebral cortex, by E. A. Schäfer. The spinal cord, by C. S. Sherrington. The parts of the brain below cerebral cortex, viz. medulla oblongata, pons, cerebellum, corpora quadrigemina, and region of thalamus, by C. S. Sherrington. Cutaneous sensations, by C. S. Sherrington. The muscular sense, by C. S. Sherrington. Vision, by W. H. R. Rivers. The ear, by J. G. M'Kendrick and A. A. Gray. On vocal sounds, by J. G. M'Kendrick and A. A. Gray. The sense of taste, by J. B. Haycraft. The sense of smell, by J. B. Haycraft. 1900. xxiv, [2], 1365 p. 449 illus. incl. diagrs.

Verworn, Max. **591.1 P701**

19758 General physiology. An outline of the science of life. Translated from the second German edition and edited by Frederic S. Lee. xvi,615 p. 285 il. O. London: Macmillan & Co., 1899.

"Bibliography," p. 589–599.

Davenport, Eugene, 1856– **636 Q701** 591.15 Breeding

63539 Principles of breeding; a treatise on thremmatology or the principles and practices involved in the economic improvement of domesticated animals and plants, by E. Davenport ... with appendix by H. L. Rietz . . . . Boston, New York, [etc.], Ginn & Co., [c1907].

xiii, 727 p. incl. illus., tables, diagrs. 21½cm. (*On cover:* Country life education series.)

Contains "References."

391.15 Breeding

Romanes, George John. 575.1 O600

16310 An examination of Weismannism. ix,221 p. 1 por. O. Chicago: Open Court Publishing Co., 1893.

Contents: 1. Statement of Weismann's system up to the year 1886. 2. Later additions to Weismann's system up to the year 1892. 3. Weismann's Theory of heredity (1891). 4. Examination of Weismann's Theory of evolution. 5. Weismannism up to date (1893). Appendix 1. On germ-plasm. 2. On telegony.

Weismann, August. 575 P102

11226 Essays upon heredity and kindred biological problems. Edited by Edward B. Poulton, Selmar Schönland, and Arthur E. Shipley. Authorised translation.—Second edition. 2 vol. il. D. Oxford: Clarendon Press, 1891–1892.

Vol. 2 is in first edition.

Contents: Vol. 1. 1. The duration of life, 1881. 2. On heredity, 1883. 3. Life and death, 1883. 4. The continuity of the germ-plasm as the foundation of a theory of heredity, 1885. 5. The significance of sexual reproduction in the theory of natural selection, 1886. 6. On the number of polar bodies and their significance in heredity, 1887. 7. On the supposed botanical proofs of the transmission of acquired characters, 1888. 8. The supposed transmission of mutilations, 1888. Vol. 2. 9. Retrogressive development in nature, 1886. 10. Thoughts upon the musical sense in animals and man, 1889. 11. Remarks on certain problems of the day, 1890. 12. Amphimixis or the essential meaning of conjugation and sexual reproduction, 1891.

591.17 Movement

Marey, Etienne Jules. 591.17 O900

1226 Movement. Translated by Eric Pritchard. xv,323 p. 204 il. D. (International scientific series, vol. 73.) New York: D. Appleton & Co., 1895.

Thurston, Robert Henry. 531.8 P400

12236 The animal as a machine and a prime motor, and the laws of energetics. First edition. . . . . iv,97 p. 3 il. D. New York: J. Wiley & Sons, 1894.

591.18 Senses of animals

Bastian, Henry Charlton. 150.2 O001

6793 The brain as an organ of the mind. xi,708 p. 184 il. D. New York: D. Appleton & Co., 1896.

Le Conte, Joseph. 535.7 O100

302 Sight: an exposition of the principles of monocular and binocular vision. 275 p. 132 il. D. (International scientific series, vol. 31.) New York: D. Appleton & Co., 1881.

M'Kendrick, John Gray, & Snodgrass, William. 591.18 P300

3309 The physiology of the senses. xx,318 p. 127 il. D. (University extension manuals.) New York: C. Scribner's Sons, 1893.

Bunge, Gustav von, 1844– 547.9 P803 591.19 Physiological chemistry

50239 Text-book of physiological and pathological chemistry, by G. Bunge . . . . Second English edition; translated from the fourth German edition, by Florence A. Starling and edited by Ernest H. Starling . . . . Philadelphia, P. Blakiston's Son & Co., 1902.
xi, 447 p. 23½cm.

Halliburton, William Dobinson. 591.19 P100

7796 A text-book of chemical physiology and pathology. xx,874 p. 104 il. O. London: Longmans, Green, & Co., 1891.

Foster, Michael, & Balfour, Francis M. 591.3 O300 591.3 Embryology

8216 The elements of embryology. Edited by Adam Sedgwick and Walter Heape. [Second edition revised.] xiv,[2],486 p. 141 il. D. London: Macmillan & Co., 1896, pref. 1883.

Korschelt, Eugen, & Heider, K. 591.3 P500

16057 Text-book of the embryology of invertebrates. Translated from the German by Matilda Bernard. Revised and edited with additional notes by Martin F. Woodward. . . . . 4 vol. il. O. London: Swan Sonnenschein & Co., 1895–1900.

Contents: Vol. 1. Porifera, cnidaria, ctenophora, vermes, enteropneusta, echinodermata. Translated . . . by Edward L. Mark [and] W. McM. Woodworth. With additions by the authors and translators. xvi,484 p. 225 il. 1895. Vol. 2. Phoronidea, bryozoa ectoprocta, brachiopoda, entoprocta, crustacea, palaeostraca. xv,[1],375 p. 165 il. 1899. Vol. 3. Arachnida, pentastomidae, pantopoda, tardigrada, onychophora, myriopoda, insecta. xii,441 p. 198 il. 1899. Vol. 4. Amphineura, lamellibranchia, solenoconcha, gastropoda, cephalopoda, tunicata, cephalochorda. xi,594 p. 312 il. 1900.
"Literature," at the end of each chapter.

Cuyer, Édouard. 591.4 Q500 591.4 Comparative anatomy

55734 Artistic anatomy of animals, by Édouard Cuyer . . . . Translated & edited by George Haywood . . . . London, Baillière, Tindall & Cox, 1905.
xx, 314 p. illus., 2 fold. diagr. 22cm.

Davenport, Charles Benedict. 591.4 P600

5524 Experimental morphology. 2 vol. paged continuously; vol. 1: i–xiv,1–280 p.; vol. 2: [2],xa–xb,xv–xviii,281–509 p. il. O. New York: Macmillan Co., 1897–1899.
"Literature" at the end of each chapter.
Contents: Vol. 1. Effect of chemical and physical agents upon protoplasm. Vol. 2. Effect of chemical and physical agents upon growth.

Lang, Arnold. 591.4 P101

9312 Text-book of comparative anatomy [of the invertebrata]. With preface to the English translation by Professor Dr. Ernst Haeckel. Translated into English by Henry M. Bernard and Matilda Bernard. 2 vol. il. O. London: Macmillan & Co., 1891–1896.
"Literature" in each chapter.

591.4 Comparative anatomy

Wiedersheim, Robert Ernst Eduard, 1848– **591.4 Q701**

64030 Comparative anatomy of vertebrates. Adapted from the German of Dr. Robert Wiedersheim ... by W. N. Parker .... Third edition (founded on the sixth German edition). With three hundred and seventy-two figures and a bibliography. London, Macmillan and Co., ltd., 1907.

xii, 576 p. 372 illus. 22½cm.

"Bibliography," p. [497]–564.

The present edition, which has been almost entirely rewritten, was prepared from the author's Vergleichende Anatomie der Wirbeltiere, 1906, and Einführung in die vergleichende Anatomie der Wirbeltiere, 1907.

591.5 Animal habits

Allen, Grant. **570.4 A425**

17651 Flashlights on nature. With 150 illustrations by Frederick Enock. viii,312 p. il. D. London: G. Newnes, 1899.

Cornish, Charles John. **591.5 P600**

7764 Animals at work and play. Their activities and emotions. xi, 323 p. 12 pl. O. New York: Macmillan & Co., 1896.

Cornish, Charles John. **591.5 P803**

22718 Animals of to-day. Their life and conversation. xii,319 p. 16 pl. O. London: Seeley & Co., 1898.

How some of the wild animals have managed to maintain themselves during the bad times of the nineteenth century, ... set out in many of the following chapters. Others deal with the wonderful progress of the domesticated kinds. *Preface.*

Dugmore, Arthur Radclyffe, 1870– **778.259 D87**

63507 Nature and the camera; how to photograph live birds and their nests; animals, wild and tame; reptiles; insects; fish and other aquatic forms; flowers, trees, and fungi, by A. Radclyffe Dugmore ... illustrated from photographs by the author. New York, Doubleday, Page & Co., 1902.

[2], xiii, 126 p. front., illus., 39 pl. 21½cm.

Holder, Charles Frederick. **591.5 O800**

11140 Marvels of animal life. x,240 p. 32 pl. D. (Marvels of animal life series.) New York: C. Scribner's Sons, 1895, c. 1888.

Houssay, Frédéric. **591.5 P300**

9435 The industries of animals. ix,[2],258 p. 44 il. D. [Contemporary science series.] London: W. Scott, 1893.

Mills, Wesley. **591.5 P802**

16519 The nature & development of animal intelligence. xii,307 p. O. New York: Macmillan Co., 1898.

Morgan, Conway Lloyd. **591.5 Q002**

28020 Animal behaviour. viii,344 p. 26 il. O. London: E. Arnold, 1900.

Morgan, Conway Lloyd. 591.5 P602 591.5 Animal habits

7795 Habit and instinct. [6],351 p. 1 pl. O. London: E. Arnold, 1896.

Avebury, John Lubbock, *1st baron,* 1834– 591.51 O801 591.51 Instinct

53940 On the senses, instincts, and intelligence of animals, with special reference to insects; by Sir John Lubbock ... With over one hundred illustrations. New edition revised. .... London, K. Paul, Trench, Trübner & Co., ltd., 1899.

xxix, 292 p. 118 illus. 19cm. (*Half-title:* The international scientific series. Vol. LXV.)

"List of the principal memoirs, etc., referred to in the present work," p. [xxi]–xxix.

Darwin, Charles. 591.51 N300

12 The expression of the emotions in man and animals. v,[2],374 p. il. 7 pl. O. New York: D. Appleton & Co., 1873.

Evans, Edward Payson. 171.7 P700

16596 Evolutional ethics and animal psychology. v,386 p. D. New York: D. Appleton & Co., 1898.

"Bibliography" p. 359–367.

Groos, Karl. 591.51 P601

17002 The play of animals. Translated with the author's co-operation by Elizabeth L. Baldwin. With a preface and an appendix by J. Mark Baldwin. xxvi,341 p. D. New York: D. Appleton & Co., c. 1898.

Romanes, George John. 591.51 O100

624 Animal intelligence. xiv,520 p. D. (International scientific series, vol. 44.) New York: D. Appleton & Co., 1883.

Romanes, George John. 591.51 O300

213 Mental evolution in animals. With A posthumous essay on instinct. By Charles Darwin. [2],411 p. 3 il. 1 table. O. London: Kegan Paul, Trench, & Co., 1883.

Wundt, Wilhelm. 150.2 P203

8156 Lectures on human and animal psychology. Translated from the second German edition by J. E. Creighton & E. B. Titchener. [Second edition.] x,459 p. 45 il. O. London: Swan Sonnenschein & Co., 1896.

Poulton, Edward Bagnall. 591.57 P001 591.57 Color of animals

8896 The colours of animals. Their meaning and use, especially considered in the case of insects. xiii,[2],360 p. 66 il. 1 pl. 1 table. D. (International scientific series, vol. 67.) New York: D. Appleton & Co., 1890.

591.69 Animal parasites

Van Beneden, Pierre Joseph. 591.69 N200

3689 Animal parasites and messmates. xxviii,274 p. 83 il. D. (International scientific series, vol. 19.) New York: D. Appleton & Co., 1887.

Massart, Jean, & Vandervelde, Emile. 304 M38

7808 Parasitism, organic and social. Translated by William Macdonald, revised by J. Arthur Thomson. With a preface by Prof. Patrick Geddes. xi,124 p. D. [Social science series, vol. 86.] London: Swan Sonnenschein & Co., 1895.

"Works consulted," p. 123–124.

591.9 Geographical distribution of animals

Agassiz, Alexander. L570.91 0001

457 A contribution to American thalassography. Three cruises of the United States Coast and Geodetic Survey steamer "Blake" in the Gulf of Mexico, in the Caribbean Sea, and along the Atlantic coast of the United States, from 1877 to 1880. 2 vol. il. pl. maps, tables. Q. Boston: Houghton, Mifflin & Co., 1888.

Beddard, Frank Evers. 591.9 P400

16700 A text-book of zoogeography. viii,246 p. il. 5 maps. D. (Cambridge natural science manuals. Biological series.) Cambridge: University Press, 1895.

Lydekker, Richard. 591.9 P600

7756 A geographical history of mammals. xii,400 p. 82 il. 1 map. O. [Cambridge geographical series.] Cambridge: University Press, 1896.

Marshall, William. L591.9 0700

12792 Atlas der Tierverbreitung. 10 p. 9 maps. F[4]. (BERGHAUS' PHYSIKALISCHER ATLAS. [Dritte Ausgabe.] Abteilung 6.) Gotha: J. Perthes, 1887.

Wallace, Alfred Russel. 591.9 N600

46 The geographical distribution of animals. With a study of the relations of living and extinct faunas as elucidating the past changes of the earth's surface. 2 vol. pl. maps. O. New York: Harper & Brothers, 1876.

Wallace, Alfred Russel. 591.922 0001

390 Island life; or, The phenomena and causes of insular faunas and floras, including a revision and attempted solution of the problem of geological climates. xvii,[2],526 p. il. 3 maps. O. London: Macmillan & Co., 1880.

592 Invertebrates

McMurrich, James Playfair. 592 P400

6151 A text-book of invertebrate morphology. Second edition, revised. vii,661 p. 291 il. O. New York: H. Holt & Co., 1896.

Binet, Alfred. 593 0900 593 Protozoans

9487 The psychic life of micro-organisms. A study in experimental psychology. Translated from the French by Thomas McCormack. With a preface by the author written especially for the American edition. xii,120,[2] p. il. D. London: Longmans, Green, & Co., 1889.

Rogers, Julia Ellen, 1866– L594 Q800 594 Mollusks

63786 The shell book. A popular guide to a knowledge of the families of living mollusks, and an aid to the identification of shells native and foreign. By Julia Ellen Rogers, ... Eight plates in colour, and ninety-six in black-and-white mostly from photographs by A. R. Dugmore. New York, Doubleday, Page & Co., 1908.

xxi, 485 p. illus., 48 pl., VIII col. pl. (incl. front.) 25½cm.
The 48 plates have illustrations on both sides.

Darwin, Charles. 595.16 0100 595.16 Worms

6109 The formation of vegetable mould, through the action of worms, with observations on their habits. vii,326 p. O. New York: D. Appleton & Co., 1892.

Huxley, Thomas Henry. 595.3841 N900 595.3 Crustacea

628 The crayfish. An introduction to the study of zoology. xiv,371 p. 81 il. 1 pl. D. (International scientific series, vol. 28.) New York: D. Appleton & Co., 1880.

Stebbing, Thomas Roscoe Rede. 595.3 P300

6463 A history of crustacea. Recent malacostraca. xvii,466 p. 32 il. 19 pl. D. (International scientific series, vol. 71.) New York: D. Appleton & Co., 1893.

Comstock, John Henry. 595.7 P700 595.7 Insects

7849 Insect life. An introduction to nature-study. .... [6],349 p. 296 il. 6 pl. D. New York: D. Appleton & Co., 1897.

Comstock, John Henry, & Comstock, Anna Botsford. 595.7 P501

13953 A manual for the study of insects. Second edition. x,701 p. 797 il. 6 pl. O. Ithaca, N. Y., Comstock Publishing Co., 1897.

Kellogg, Vernon Lyman, 1867– 595.7 Q502

62384 American insects, by Vernon L. Kellogg ... with many original illustrations by Mary Wellman. New York, H. Holt and Co. 1905.

vii, 674 p. illus., XIII pl. (partly col. incl. front.) 24½cm.

595.7 Insects

Packard, Alpheus Spring. 595.7 P800

15260 A text-book of entomology including the anatomy, physiology, embryology and metamorphoses of insects. For use in agricultural and technical schools ... as well as by the working entomologist. xvii,729 p. 654 il. O. New York: Macmillan Co., 1898.
"Literature" scattered through the book.

Saunders, William. 595.7 O300

4401 Insects injurious to fruits. Second edition. 436 p. 440 il. O. Philadelphia: J. B. Lippincott Co., 1889, c. 1883.

Smith, John Bernhard. 595.7 P600

8140 Economic entomology for the farmer and fruit-grower, and for use as a text-book .... 481 p. il. 19 pl. O. Philadelphia: J. B. Lippincott Co., 1896.

595.76 Beetles

Hofmann, Ernst. 595.76 P700

9433 The young beetle-collector's handbook. With an introduction by W. Egmont Kirby. viii,178 p. 20 pl. D. London: Swan Sonnenschein & Co., 1897.

595.78 Butterflies and moths

Comstock, John Henry, 1849 595.789 Q400

63966 How to know the butterflies; a manual of the butterflies of the eastern United States, by John Henry Comstock ... and Anna Botsford Comstock ... with forty-five full-page plates from life reproducing the insects in natural colors. New York, D. Appleton and Co., 1904.
xii, 311 p. illus., XLV col. pl. (incl. front.) 21cm.

Holland, William Jacob. L595.789 P802

15573 The butterfly book. A popular guide to a knowledge of the butterflies of North America. xx,382 p. 183 il. 48 colored pl. Q. New York: Doubleday & McClure Co., 1898.

Holland, William Jacob, 1848– L595.781 Q300

50267 The moth book; a popular guide to a knowledge of the moths of North America, by W. J. Holland ... with forty-eight plates in color photography, and numerous illustrations in the text, reproducing specimens in the collection of the author, and in various public and private collections. New York, Doubleday, Page & Co., 1903.
xxiv, 479 p. illus., XLVIII col. pl. incl. front. 26½cm.

595.79 Ants, bees, etc.

Avebury, John Lubbock, *1st baron*, 1834– 595.79 O100

61945 .... Ants, bees, and wasps. A record of observations on the habits of the social *Hymenoptera*. By Sir John Lubbock. New York, D. Appleton and Co., 1882.
xix, 448 p. illus., 5 col. pl. 19½cm. (International scientific series. [Vol. 42].)
"List of the principal books and memoirs referred to," p. [xvii]–xix.

Cheshire, Frank R. 638 0600 595.79 Ants, bees, etc.

12720 Bees & bee-keeping; scientific and practical. A complete treatise on the anatomy, physiology, floral relations, and profitable management of the hive bee. . . . . 2 vol. il. pl. D. London: L. U. Gill, 1886–1888.

Contents: Vol. 1. Scientific. Vol. 2. Practical.

Jordan, David Starr. 596 N800 596 Vertebrates

1573 Manual of the vertebrates of the northern United States, including the district east of the Mississippi River, and north of North Carolina and Tennessee, exclusive of marine species. Fourth edition, revised and enlarged. 406 p. D. Chicago: Jansen, McClurg & Co., 1884, c. 1878.

Dean, Bashford. 597 P500 597 Fishes

9845 Fishes, living and fossil. An outline of their forms and probable relationships. xiv,300 p. il. 1 pl. O. (COLUMBIA UNIVERSITY. Biological series, vol. 3.) New York: Macmillan & Co., 1895.

"Bibliography", p. 231–251.

Günther, Albert Carl Ludwig Gotthilf. 597 0001

24980 An introduction to the study of fishes. xvi,720 p. il. 1 pl. O. Edinburgh: A. & C. Black, 1880.

Jordan, David Starr, 1851– L597 Q200

50238 American food and game fishes. A popular account of all the species found in America north of the equator, with keys for ready identification, life histories and methods of capture, by David Starr Jordan ... and Barton Warren Evermann ... illustrated with colored plates and text drawings, and with photographs from life by A. Radclyffe Dugmore. New York, Doubleday, Page & Co., 1902.

l, 573 p. col. front., illus., plates (partly col.) 26½cm.

Willey, Arthur. 597.1 P400

9605 Amphioxus and the ancestry of the vertebrates. With a preface by Henry Fairfield Osborn. xiv,316 p. 135 il. 1 pl. O. (COLUMBIA UNIVERSITY. Biological series, vol. 2.) New York: Macmillan & Co., 1894.

"References", p. 295–309.

Ditmars, Raymond Lee, 1876– L598.1 Q700 598.1 Reptiles

64548 The reptile book; a comprehensive, popularised work on the structure and habits of the turtles, tortoises, crocodilians, lizards and snakes which inhabit the United States and northern Mexico, by Raymond Lee Ditmars . . . . Eight plates in colour and more than four hundred photographs from life. New York, Doubleday, Page & Co., 1907.

xxxii, 472 p. CXXXVI pl. (incl. col. front., 7 col. pl.) 26½cm.
Black and white plates printed on both sides.

598.2 Birds

American Ornithologists' Union. 598.2 P503

12728 Check-list of North American birds. Prepared by a committee of the American Ornithologists' Union. Second and revised edition. xi,372 p. O. New York 1895.

The members of the committee were: Elliott Coues, J. A. Allen, Robert Ridgway, William Brewster, H. W. Henshaw.

Apgar, Austin Craig. 598.2 P806

18894 Birds of the United States east of the Rocky Mountains. A manual for the identification of species in hand or in the bush. 415 p. il. D. New York: American Book Co., c. 1898.

Baird, Spencer Fullerton, Brewer, T. M., & Ridgway, R. L598.2 N502

10878 A history of North American birds. Land birds. 3 vol. il. pl. Q. Boston: Little, Brown, & Co., 1875.

Blanchan, Neltje. L598.2 P708

11700 Bird neighbors. An introductory acquaintance with one hundred and fifty birds commonly found in the gardens, meadows, and woods about our homes. With introduction by John Burroughs. viii,[4],234 p. 51 pl. Q. New York: Doubleday & McClure Co., 1897.

Chapman, Frank Michler, 1864– 598.2 Q304

50266 Color key to North American birds, by Frank M. Chapman ... with upward of 800 drawings by Chester A. Reed, B.S. New York, Doubleday, Page & Co., 1903.

vi, 312 p. col. front., illus. (partly col.) 23cm.

Chapman, Frank Michler. 598.2 P501

6804 Handbook of birds of eastern North America. . . . . Third edition. xiv,427 p. 115 il. 20 pl. D. New York: D. Appleton & Co., 1896.

Coues, Elliott, 1842–1899. L598.2 Q305

50291 Key to North American birds. Containing a concise account of every species of living and fossil bird at present known from the continent north of the Mexican and United States boundary, inclusive of Greenland and Lower California, with which are incorporated general ornithology ... and field ornithology ... . The fifth edition (entirely revised) exhibiting the nomenclature of the American Ornithologists' Union . . . . In two volumes. By Elliott Coues . . . . Boston, D. Estes and Co., 1903.

2 vol. col. fronts., illus., port. 26cm.

Paged continuously; vol. 1: [2], xli, 535 p.; vol. 2: vi, [537]–1152 p.

"In memoriam: Elliott Coues," by D. G. Elliot, vol. 1, p. [xxxv]–xli.

Elliot, Daniel Giraud. 598.2 P500 598.2 Birds

1578 North American shore birds. A history of the snipes, sandpipers, plovers and their allies inhabiting the beaches and marshes of the Atlantic and Pacific coasts, the prairies, and the shores of the inland lakes and rivers of the North American continent; .... A reference book for the naturalist, sportsman and lover of birds. 268 p. 3 il. 71 pl. O. New York: F. P. Harper, 1895.

Herrick, Francis Hobart, 1858– 598.2 Q503

63970 The home life of wild birds; a new method of the study and photography of birds, by Francis Hobart Herrick. Revised edition. With 160 original illustrations from nature by the author. New York and London, G. P. Putnam's Sons, 1905.
xxv, [1], 255 p. front., illus. 21½cm.

Mivart, St. George. 598.2 P200

9195 Birds: the elements of ornithology. [8],329 p. 170 il. D. London: R. H. Porter, [1892].

Newton, Alfred. 598.2 P301

5957 A dictionary of birds. By Alfred Newton, assisted by Hans Gadow. With contributions from Richard Lydekker, Charles S. Roy, and Robert W. Shufeldt. 4 vol. in 1, paged continuously, il. map. O. London: A. & C. Black, 1893–1896.

Nuttall, Thomas. 598.2 P600

5630 A popular handbook of the ornithology of eastern North America. Second revised and annotated edition, by Montague Chamberlain. With additions. 2 vol. il. pl. O. Boston: Little, Brown, & Co., 1896.

Rich, Walter Herbert, 1866– 598.2 Q705

63977 Feathered game of the Northeast, by Walter H. Rich; with illustrations by the author. New York, T. Y. Crowell & Co., [1907].
xvi, 432 p. col. front., 85 pl. 24cm.

Ridgway, Robert. 598.2 P604

7361 A manual of North American birds. Second edition. xiii,653 p. 62 pl. 1 por. O. Philadelphia: J. B. Lippincott Co., 1896.

Wright, Mabel Osgood, & Coues, Elliott. 598.2 P703

7854 Citizen Bird. Scenes from bird-life in plain English for beginners. With ... illustrations by Louis Agassiz Fuertes. xiv,430 p. il. 1 pl. D. New York: Macmillan Co., 1897.

See also **590.92** Audubon.

599 Mammals

Flower, *Sir* William Henry, & Lydekker, Richard. 599 P100

14115 An introduction to the study of mammals, living and extinct. xvi,763 p. 357 il. O. London: A. & C. Black, 1891.

Garner, Richard L. 599.88 P600

6896 Gorillas and chimpanzees. viii,[2],271 p. il. 1 por. O. London: Osgood, McIlvaine & Co., 1896.

600 APPLIED SCIENCES

602 Mechanical handbooks

Leland, Charles Godfrey. 680.2 P600

6063 A manual of mending and repairing. xxi,264 p. il. D. New York: Dodd, Mead & Co., 1896.

Van Cleve, B. Frank. 602 P001

18571 The English and American mechanic: an every-day hand-book for the workshop and the factory. Containing several thousand receipts, rules and tables ... . A new, revised, enlarged and improved edition edited by Emory Edwards. xxv,476 p. il. D. Philadelphia: H. C. Baird & Co., 1893.

603 Technical dictionaries

Appletons' cyclopædia of applied mechanics. L603 P202

3441 Appletons' cyclopædia of applied mechanics. Revised ... edition. A dictionary of mechanical engineering and the mechanical arts. Edited by Park Benjamin. With a supplementary volume (Modern mechanism). 2 vol. and sup. il. pl. Q. New York: D. Appleton & Co., 1893.

Modern mechanism. L603 P203

3442 Modern mechanism: exhibiting the latest progress in machines, motors, and the transmission of power. Being a supplementary volume to Appleton's cyclopedia of applied mechanics. Edited by Park Benjamin. vi,924 p. il. 12 pl. Q. New York: D. Appleton & Co., 1892.

Colange, Leo de. L603 O001

5381 The American encyclopedia of commerce, manufactures, commercial law, and finance: ... . 2 vol. paged continuously; vol. 1: vii,1–622 p.; vol. 2: [2],623–1141 p. 502 il. Q. Boston: Estes & Lauriat; vol. 1.: pref. 1881, vol. 2: c. 1889.

Dixon, Daniel Bernard. 603 P701

8404 The mechanical arts simplified. A work of reference ... . Revised edition with new appendix. 497 p. il. 8 pl. O. Chicago: Laird & Lee, 1897.

Goodchild, G F , *ed.* L603 Q603

67985 A technological and scientific dictionary. Edited by G. F. Goodchild ... and C. F. Tweney ... . London, G. Newnes, ltd.; Philadelphia, J. B. Lippincott Company, [1906].

viii, 875 p. illus., diagrs. 25cm.

Issued in 14 pts.

Hasluck, Paul Nooncree, 1854– , *ed.* **L603 Q002** 603 Technical dictionaries

27901 Cassell's cyclopædia of mechanics. Containing receipts, processes and memoranda for workshop use based on personal experience and expert knowledge .... First–[third] series. London, Cassell & Co., 1900–1903.

3 vol. diagrs. 26cm.

Knight, Edward Henry. **L603 N201**

7304 Knight's American mechanical dictionary. A description of tools, instruments, machines, processes, and engineering; history of inventions; general technological vocabulary; and digest of mechanical appliances in science and the arts. 3 vol. paged continuously; vol. 1: vi,[2],1–944 p.; vol. 2: iv,945–1888 p.; vol. 3: [4], 1889–2839 p. il. pl. Q. Boston: vol. 1–2, Houghton, Osgood & Co., 1880; vol. 3, Hurd & Houghton, 1877.

Knight, Edward Henry. **L603 N202**

7305 Knight's new mechanical dictionary. A description of tools, instruments, machines, processes and engineering, with indexical references to technical journals (1876–1880.) viii,960 p. 2549 il. 56 pl. Q. Boston: Houghton, Mifflin & Co., 1884.

Kronthal, Paul. **L703 K92**

22616 Lexikon der technischen Künste. 2 vol. paged continuously: vol. 1: [2],xxii,[2],1–514 p.; vol. 2: [2],515–1021 p. Q. Berlin: G. Grote'sche Verlagsbuchhandlung, 1898–1899.

Lueger, Otto, *ed.* **L603 Q401**

44705 Lexikon der gesamten Technik und ihrer Hilfswissenschaften. Im Verein mit Fachgenossen herausgegeben von Otto Lueger. Mit zahlreichen Abbildungen. Zweite, vollständig neu bearbeitete Auflage. Stuttgart und Leipzig, Deutsche Verlags-Anstalt, [1904–].

Pt. 1–. illus. 28cm.

Spon, [Edward]. **L603 O200**

1321 Spons' encyclopædia of the industrial arts, manufactures, and raw commercial products. .... Vol. 1–[11]. London, New York, E. & F. N. Spon, 1882.

2 vol. illus. 26cm.

Paged continuously; vol. 1: viii, 1088 p.; vol. 2: [4], 1089–2142 p.

New edition; originally by E. and F. N. Spon.

P. 1–640 edited by G. G. André; p. 641–2142, by Charles G. Warnford Lock.

Deinhardt, Kurt. **603 Q601** 603 Polyglot dictionaries of technology

52843 Illustriertes technisches Wörterbuch in sechs Sprachen: Deutsch, Englisch, Französisch, Russisch, Italienisch, Spanisch. Nach besonderer Methode bearbeitet von K. Deinhardt und A. Schlomann, ... München und Berlin, R. Oldenbourg, 1906–.

Vol. 1–. illus. 18cm.

603 Polyglot dictionaries of technology

Bureau of the American Republics. **L603 P700**

7643 Commercial nomenclature. Published by recommendation of the International American Conference. August 1897. iii,670 p. F. Washington 1897.

Bureau of the American Republics. **L603 P703**

18231 Nomenclatura comercial. Publicada por especial recomendación de la Conferencia internacional. Abril de 1897. iii,645 p. F. Washington 1897.

Karmarsch, [Karl], & Heeren, [F.] **603 N600**

24935 Karmarsch und Heeren's Technisches Wörterbuch. Dritte Auflage ergänzt und bearbeitet von Friedrich Kick [und] Dr. Wilhelm Gintl. 11 vol. il. O. Prag: vol. 1–3: Verlag der Bohemia; vol. 4–11, A. Haase, 1876–1892.

Has also title-page reading: Technisches Lexikon für Gewerbe und Industrie. . . . . Als 3. Auflage von Karmarsch und Heeren's Technischem Wörterbuch.

Ponce de Leon, Néstor. **L603 O300**

1662 Diccionario tecnológico, inglés-español y español-inglés, de los términos y frases usados en las ciencias aplicadas, artes industriales, bellas artes, ... Segunda edición. 2 vol. Q. New York: N. Ponce de Leon, 1893.

Technologisches Wörterbuch. **603 O600**

1343 Technologisches Wörterbuch. Deutsch-Englisch-Französisch. . . . . Mit einem Vorwort von weil. Karl Karmarsch. Vierte verbesserte und . . . vermehrte Auflage. 3 vol. O. Wiesbaden: J. F. Bergmann, 1887–1891.

Contents: Vol. 1. Deutsch-Englisch-Französisch. . . . . Herausgegeben von Dr. Ernst Röhrig. xii,879,[1] p. 1887. Vol. 2. English-German-French. . . . . Published by C. Dill, E. von. Hoyer and E. Röhrig. xii,909 p. 1891. Vol. 3. Français-allemand-anglais. . . . . Publié par Ernest Röhrig. Troisième édition, revue, corrigée et considérablement augmentee. [10],783,[1] p. 1887.

Contains also terms relating to the natural sciences.

Tolhausen, Alexander. **603 P705**

25085 Technological dictionary in the English, German & French languages, . . . , revised by Louis Tolhausen. . . . . Leipzig, B. Tauchnitz, 1897–1898.

3 vol. 18cm.

Contents.—[vol. 1.] Français-allemand-anglais. Quatrième édition, augmentée d'un grand supplément. xii, 809, [2], 165 p. 1898. — [vol. 2.] English-German-French. Fourth edition, with a large supplement. xiv, 837, [2], 117 p. 1897. — [vol. 3.] Deutsch-Englisch-Französisch. Dritte Stereotypauflage. xii, 948 p. 1897.

———. Grand supplement . . . . Leipzig, 1901–1902.

3 vol. 18cm.

Contents. — [vol 1.] Français-allemand-anglais. Quatrième édition. [2], 197 p. 1901.—[vol. 2.] English-German-French. Fourth edition. [2], 189 p. 1902.—[vol. 3.] Deutsch-Englisch-Französisch. [2], 67 p. 1902.

Brannt, William Theodore. 671 P004 603 Receipt books

12058 The metal worker's handy-book of receipts and processes. Being a collection of chemical formulas and practical manipulations for the working of all the metals and alloys; including the decoration and beautifying of articles manufactured therefrom, as well as their preservation. Edited from various sources. xxiii,33–538 p. 63 il. D. Philadelphia: H. C. Baird & Co., 1899, c. 1890.

Cooley, Arnold James. L603 P204

5922 Cooley's cyclopædia of practical receipts and collateral information in the arts, manufactures, professions, and trades, ... Designed as a ... supplement to the pharmacopœia and general book of reference ... . Seventh edition, revised and greatly enlarged by W. North. 2 vol. paged continuously; vol. 1: x,[2],1–896 p.; vol. 2: [2],897–1827 p. il. Q. London: J. & A. Churchill, 1892.

Hiscox, Gardner Dexter, *ed.* 603 Q700

68643 Henley's twentieth century book of recipes, formulas and processes; containing nearly ten thousand selected scientific, chemical technical and household recipes, formulas and processes for use in the laboratory, the office, the workshop and in the home. Edited by Gardner D. Hiscox .... New York, The N. W. Henley Publishing Company, 1907.

[4], 7–787 p. diagrs. 23½cm.

Hopkins, Albert Allis, *editor.* 603 Q003

28163 The Scientific American cyclopedia of receipts, notes and queries. [4],629,105 p. il. O. New York: Munn & Co., 1901.

"Appendix. Fifteenth revised edition: Additional receipts. Tables of weights and measures. Chemical synonyms," 105 p.

Workshop receipts. 603 1

13725 a Workshop receipts. [First–fifth series.] London, E. & F. N. Spon; New York, Spon & Chamberlain, 1892–1896.

5 vol. illus. 18½cm.

[First series] edited by Ernest Spon; second series, by Robert Haldane; third–fourth series, by C. G. Warnford Lock.

[First series] is in second edition, revised, published in 1895 with title: Workshop receipts for the use of manufacturers, mechanics and scientific amateurs.

Various issues; second series preface dated 1883.

607
MANUAL TRAINING

Ashbee, Charles Robert. 707 A819

17000 A few chapters in workshop re-construction and citizenship, by C. R. Ashbee, ... London, Guild and School of Handicraft, 1894.

165, [1] p. 23cm.

Contents. — 1. Some definitions towards an ideal. — 2. On the need for the cultivation of the sense of beauty and the questionable wisdom of looking for this from the British middle class. — 3. How can we "run" art at our polytechnics. — 4. Decorative art from a workshop point of view. — 5. An industrial dialogue between Mr. Archibald Pushington, M. P., and Mr. Thomas Trudge. — 6. The honest endeavour of Timothy Thumbs, teacher and humanist. — 7. On the higher aspects of technical education and the elementary teacher. — 8. On the teaching of design and its bearing on workshop re-construction. — 9. University Extension and the workshop — a problem and a policy. — 10. The policy developed towards workshop reconstruction. — 11. The relation of the architect towards workshop reconstruction. — 12. On the possibility of a metropolitan school of architecture. — 13. Where is the builder of ideas? — 14. The art and technical instructor of to-day and the little citizen of the future. — 15. On Jack's initiation into the citizenship.

Education. 370.973 Q001

23895 Education in the United States. A series of monographs prepared for the United States exhibit at the Paris Exposition, 1900. Edited by Nicholas Murray Butler . . . . Albany, N. Y., J. B. Lyon Company, 1900.

2 vol. XXIV (*i. e.* 12) pl. (incl. plans), 2 maps, 3 tables, 5 diagr. 24½cm.

Paged continuously; vol. 1: xviii, 464, [464a]–464e p.; vol. 2: [4], [465]–977 p.

The plates consist of 12 leaves with illustrations on both sides.

Title-pages for individual monographs read: Department of Education for the United States Commission to the Paris Exposition of 1900. Monographs on education in the United States. . . . .

Ware, Fabian. 370.9 Q103

65009 Educational foundations of trade and industry, by Fabian Ware . . . . London and New York, Harper & Brothers, 1901.

xiii, 300 p. 1 fold. table. 18½cm.

Woodward, Calvin Milton. 375.6 P001

4987 Manual training in education. viii, 310 p. il. D. [Contemporary science series.] London: W. Scott, 1896.

See also 371.42 Manual training.

608 Patents

Knight, George H. 608.73 P300

12418 Patent-Office manual, including the law and practice of cases in the United States Patent Office and the courts holding a revisory relation thereto. Also, an appendix of copyright decisions, etc. [8], 655 p. O. Boston: Little, Brown & Co., 1893.

Prindle, Edwin Jay, 1868– 608 Q800

68275 . . . . Patents as a factor in manufacturing, by Edwin J. Prindle . . . . New York, The Engineering magazine, 1908.

[2, 7]–134 p. 19½cm. (Works management library.)

U. S. A. *Department of the Interior. Patent Office.* 608.73 Q701 608 Patents

63978 Rules of practice in the United States Patent Office. Revised July 17, 1907. Washington, Gov't Print. Off., 1907.
116 p. 25cm.

Beckmann, Johann. 609 K600 609 History of technology

826 A history of inventions, discoveries, and origins. Translated from the German, by William Johnston. Fourth edition, ... revised and enlarged by William Francis and J. W. Griffith. 2 vol. por. D. [Bohn's standard library.] London: H. G. Bohn, 1846.

Byrn, Edward Wright. 609 Q001

26642 The progress of invention in the nineteenth century. [2],viii, 476 p. 306 il. 1 pl. O. New York: Munn & Co., 1900.
"Chronology of leading inventions of the nineteenth century," p. 7–14.

Cochrane, Robert, *editor.* 609 P700

6749 The romance of industry and invention. 295 p. il. 1 pl. D. Philadelphia: J. B. Lippincott Co., 1897.

Marmery, J. Villin. 509 P500

15787 Progress of science. Its origin, course, promoters, and results. With an introduction by Samuel Laing. xxxi,358 p. O. London: Chapman & Hall, 1895.

Nineteenth century. 031 Q101

29314 The 19th century; a review of progress during the past one hundred years in the chief departments of human activity. ix,494 p. O. New York: G. P. Putnam's Sons, 1901.
Contents: 1. Law and government: Nott, C. C. The immutability of the constitution. Moore, J. B. Progress of international law in the century. 2. History: Sedgwick, A. G. English political development in the century. Smith, M. Germany in the nineteenth century. Coolidge, A. C. The expansion of Russia in the nineteenth century. Bourinot, Sir J. G. Canada in the nineteenth century. Lummis, C. F. Mexico. Griffis, W. E. The century's changes in China and Japan. 3. Sociology: Heilprin, L. Geographical conquests of the nineteenth century. White, H. The gold standard and gold production in the nineteenth century. Carnegie, A. Development of steel manufacture in the United States. Cutter, C. A. Library development. Alexander, J. W. The phenomenon of American life assurance. Howe, J. W. Changes in the legal and political status of woman. Catt, C. C. Women in the industries and professions. 4. Literature and the fine arts: Trent, W. G. American literature in the nineteenth century. Gosse, E. English literature in the nineteenth century. Towse, J. R. The American theatre in the nineteenth century. Finck, H. T. The musical century. Sturgis, R. Progress of American architecture. Cox, K. Painting in the nineteenth century. 5. Education and science: Carter, F. The century's growth in higher education. Palmer, A. F. Higher education of women. Pierce, C. S. The century's great men in science. Newcomb, S. The century's advance in astronomical science. Billings, J. S. The progress of medicine in the nineteenth century. Lodge, O. Scope and tendencies of physics. Lang, A. Psychical research of the century. Stephen, L. Evolution and religious conceptions. 6. Applied science: De Vinne, T. L. Printing in the nineteenth century. Nicol, J. The birth and progress of photography. Trowbridge, J. Progress of electricity from 1800 to 1900. 7. Transportation: Chamberlain, E. T. Development of the merchant marine. Hadley, A. T. Railroad economy in the nineteenth century. Midgeley, J. W. Equipment, organisation, and operation of railroads. 8. The science of war: Maclay, E. S. Development of the navy. Wilcox, C. DeW. Changes in military science.

609 History of technology

Routledge, Robert. 609 P902

25005 Discoveries and inventions of the nineteenth century. Thirteenth edition. Revised and partly re-written, with additions. xiv,[2], 820 p. il. 17 pl. O. London: G. Routledge & Sons, 1900.

Shadwell, Arthur, 1854?– 338 Q601

64655 Industrial efficiency; a comparative study of industrial life in England, Germany and America, by Arthur Shadwell . . . . In two volumes. London, New York and Bombay, Longmans, Green, and Co., 1906.

2 vol. 23½cm.

Contents. — vol. 1. General comparisons and national qualities. Industrial districts in England. Industrial districts in Germany. Industrial districts in America. xiii, 346, [2] p. — vol. 2. Factory laws. Factory conditions. Hours. Wages. Workmen's compensation and insurance. Benevolent institutions. Housing. Cost of living and physical conditions. Social conditions. Trade unions and industrial disputes. Pauperism and thrift. Elementary education. Technical education. Conclusion. Index. x, 488 p.

Sutherland, George. 609 Q100

28886 Twentieth century inventions. A forecast. xvi,286 p. D. London: Longmans, Green, & Co., 1901.

Contents: 1. Inventive progress. 2. Natural power. 3. Storage of power. 4. Artificial power. 5. Road and rail. 6. Ships. 7. Agriculture. 8. Mining. 9. Domestic. 10. Electric messages, etc. 11. Warfare. 12. Music. 13. Art and news. 14. Invention and collectivism.

Taking up inventions made in the nineteenth century in various departments of science, the writer carries them out to their possible sequence in the twentieth century.

Yeats, John. 609 Q700

19802 Technical, industrial, and trade education. The technical history of commerce; or, The progress of the useful arts. . . . . Third edition, revised and much enlarged. xxviii,527 p. 1 map in pocket. D. London: G. Philip & Son, [1887?]

609.1 Origin of invention

Mason, Otis Tufton. 609.1 P500

11147 The origins of invention: a study of industry among primitive peoples. 419 p. il. 9 pl. D. [Contemporary science series, vol. 28.] London: W. Scott, 1895.

609.2 Technical biography

Jones, Evan Rowland. 609.2 J71

17260 Heroes of industry. Biographical sketches. 324 p. 16 por. D. London: Sampson Low, . . . & Rivington, 1886.

Smith, George Barnett. 609.2 S648

17199 Leaders of modern industry. Biographical sketches. vi,477 p. D. London: W. H. Allen & Co., 1894.

Contents: The Stephensons. Charles Knight. Sir George Burns. Sir Josiah Mason. The Wedgwoods. Thomas Brassey. The Fairbairns. Sir William Siemens. The Rennies.

609.4 Industries of Europe

Worsaae, Jens Jacob Asmussen. 571.0948 O200

12462 The industrial arts of Denmark from the earliest times to the Danish conquest of England. 2 parts in 1. il. map. D. [SOUTH KENSINGTON MUSEUM. Art handbooks.] London: Chapman & Hall, 1882.

Seeger and Guernsey's cyclopaedia. L609.73 P900 609.7 Industries of America

33939 Seeger and Guernsey's cyclopaedia of the manufactures and products of the United States. ccxl,1116,[2],44 p. Q. New York: United States Industrial Publishing Co., c. 1899.

"Buyers' inquiry form" pasted on inside of front cover.

Shaler, Nathaniel Southgate, *editor.* L309.73 P400

414 The United States of America. A study of the American commonwealth, its natural resources, people, industries, manufactures, commerce, and its work in literature, science, education, and self-government. 2 vol. il. pl. maps. Q. New York: D. Appleton & Co., 1894.

Thomas Publishing Co., *New York.* 670.973 5

58214 . . . . Thomas' register of American manufacturers and first hands in all lines. The buyers guide. . . . . Issued annually. . . . . New York, Thomas Publishing Co., ᶜ1907.

Vol. 3, 1907/8. 24 x 9ᶜᵐ.

Wright, Carroll Davidson. 330.973 P500

12440 The industrial evolution of the United States. 362 p. il. 1 por. 4 maps. D. (Chautauqua reading circle literature.) Meadville, Penna.: Flood & Vincent, 1897.

620
ENGINEERING

Appletons' cyclopædia of technical drawing. L744 A649 620.03 Contracts and specifications

1709 Appletons' cyclopedia of technical drawing. Embracing the principles of construction as applied to practical design. . . . . Edited by W. E. Worthen. vii,[2],745,38 p. il. 15 pl. 5 maps. Q. New York: D. Appleton & Co., 1887.

Johnson, John Butler, 1850–1902. 620.03 Q200

50270 Engineering contracts and specifications, including a brief synopsis of the law of contracts and illustrative examples of the general and technical clauses of various kinds of engineering specifications, designed for the use of students, engineers, and contractors by J. B. Johnson . . . . Third edition — revised. . . . . New York, Engineering News Publishing Co., 1902.

[2], 6, [2], vii, 7–566 p. front. (port.) 23ᶜᵐ.

Cotterill, James Henry. 531 Q005 620.1 Theory

28856 Applied mechanics: an elementary general introduction to the theory of structures and machines. Fifth edition, revised and enlarged. xxiv,647 p. 213 il. 11 pl. O. London: Macmillan & Co., 1900.

Lanza, Gaetano. 620.1 P001

20404 Applied mechanics. Seventh edition, revised. . . . . viii,929 p. 310 il. O. New York: J. Wiley & Sons, 1899, c. 1885.

620.1 Theory

Rankine, William John Macquorn. **531 P500**

12014 A manual of applied mechanics. Fourteenth edition, thoroughly revised. By W. J. Millar. xiv,671 p. il. O. London: C. Griffin & Co., 1895.

See also **531** Mechanics.

620.2 Handbooks of engineering

Cyclopedia. **620.2 Q201**

67980 Cyclopedia of engineering; a complete manual of steam and machine-shop practice ... edited by a corps of distinguished engineers, technical experts and eminent authorities. Editor-in-chief, Louis Derr .... Boston, American Technical Society, 1902.

4 vol. col. front., illus., pl., diagr. 24½cm.

Pt. 3–4 have title: Cyclopedia of engineering; a complete manual of electricity, power and lighting.

"Authorities consulted" at beginning of each volume.

Handbuch. **L620.2 O300**

11804 Handbuch der Ingenieurwissenschaften. .... Zweite vermehrte Auflage. Vol. 1–. il. pl. maps, tables. Q. Leipzig: W. Engelmann, 1885–.

Vol. 1 published in 1887.

Various editions.

Harcourt, Leveson Francis Vernon-, 1839– **620.2 Q200**

68642 .... Civil engineering as applied in construction, by Leveson Francis Vernon-Harcourt ... with numerous illustrations of works in the text. London, New York [etc.], Longmans, Green, and Co., 1902.

xv, [1], 624 p. incl. diagr. 23cm. (Longmans' civil engineering series.)

Rankine, William John Macquorn. **620.2 P700**

14581 A manual of civil engineering. Twentieth edition, thoroughly revised. By W. J. Millar. xvi,818 p. il. O. London: C. Griffin & Co., 1898.

620.3 Dictionaries

Byrne, Oliver. **L620.3 N400**

1315 a Spons' dictionary of engineering, civil, mechanical, military, and naval; with technical terms in French, German, Italian, and Spanish. Edited by Byrne and Spon. London, New York, E. & F. N. Spon, 1874.

3 vol. illus., 1 fold. table. 25½cm.

Paged continuously; vol. 1: viii, 1040 p.; vol. 2: [4], 1041–2080 p.; vol. 3: [4], 2081–3131 p.

———. Supplement ... Edited by Ernest Spon, ... London, New York, 1881.

[8], 1168 p. illus. 25½cm.

See also **603** Technical dictionaries.

Burr, William Hubert, 1851– 620.9 Q200 620.9 History of engineering

50181 Ancient and modern engineering and the Isthmian canal. By William H. Burr . . . . First edition. . . . . New York, J. Wiley & Sons; London, Chapman & Hall, ltd., 1902.

xv, 473 p. illus., plans, diagr. 23½cm.

Contents. — Ancient civil-engineering works. — Bridges. — Water-works for cities and towns. — Some features of railroad engineering. — The Nicaragua route for a ship-canal. — The Panama route for a ship canal.

Harcourt, Leveson Francis Vernon-. 620.9 P100

305 Achievements in engineering during the last half century. Second edition. vi,[2],311 p. 10 il. 12 pl. 1 por. O. New York: C. Scribner's Sons, 1892.

Hendricks' Commercial register. L620.973 2 620.973 Commercial directory

25400 d . . . . Hendricks' Commercial register of the United States for buyers and sellers. Especially devoted to the interests of the architectural, mechanical, engineering, contracting, electrical, railroad, iron, steel, mining, mill, quarrying and kindred industries. . . . . New York, S. E. Hendricks Co., c1899–c1908.

Vol. 9, 12, 15–17, 1899, 1902, 1906–1908. 26½cm.

Vol. 9 title reads: Hendricks' Architectural, engineering & mechanical directory of the United States; subtitle varies.

Barber, Thomas Walter. 621.004 P700 621 Mechanical engineering

9269 The engineer's sketch-book of mechanical movements, devices, appliances, contrivances, and details employed in the design and construction of machinery for every purpose, classified & arranged for reference for the use of . . . all engaged in the mechanical arts. Third edition, considerably enlarged. 335 p. 2603 il. O. London: E. & F. N. Spon, 1897.

Reid, John Simpson, & Reid, David. 621.004 Q003

26181 A text-book of mechanical drawing and elementary machine design. First edition. . . . . viii,[2],389 p. 301 il. O. New York: J. Wiley & Sons, 1900.

Hutton, Frederick Remsen. 621.01 P900 621.01 Heat engines

21778 Heat and heat-engines. A study of the principles which underlie the mechanical engineering of a power plant. First edition. . . . . xxi,553 p. 198 il. O. New York: J. Wiley & Sons, 1899.

"Bibliography," p. 528–530.

Peabody, Cecil Hobart. 621.01 P800

18071 Thermodynamics of the steam-engine and other heat engines. Fourth edition, rewritten . . . . v,522 p. 97 il. O. New York: J. Wiley & Sons, 1898.

Barber, Thomas Walter. 621.02 P400 621.02 Manuals of mechanical engineering

12699 The repair and maintenance of machinery. A handbook of practical notes and memoranda for engineers and machinery users. x,466 p. 417 il. O. London: E. & F. N. Spon, 1895.

621.02 Manuals of mechanical engineering

Carpenter, Rolla Clinton, 1852– **621.02 Q600**

61927 Experimental engineering and manual for testing. For engineers and for students in engineering laboratories. By Rolla C. Carpenter . . . . Sixth revised and enlarged edition. . . . . New York, J. Wiley & Sons; [etc., etc.], 1906.
xix, 843 p. front., illus., diagrs. 23½cm.

Hiscox, Gardner Dexter. **621.02 Q401**

67982 Mechanical appliances, mechanical movements and novelties of construction . . . . For engineers, draughtsmen, inventors, patent attorneys, and all others interested in mechanical operations. Including an explanatory chapter on the leading conceptions of perpetual motion existing during the past three centuries. By Gardner B. Hiscox . . . . Being a supplementary volume to the author's work entitled Mechanical movements, powers, and devices. New York, The N. W. Henley Publishing Company, 1904.
396 p. illus., diagrs. 24cm.

Hiscox, Gardner Dexter. **621.02 P901**

18523 Mechanical movements. Powers, devices and appliances used in constructive and operative machinery and the mechanical arts. For the use of inventors, . . . and all others interested in any way in mechanics. [4],402 p. 1649 il. O. New York: Munn & Co., 1899.

Horner, Joseph G. **621.02 P301**

11268 The principles of fitting. For apprentices, and students in technical schools. By a foreman pattern maker. And including a number of useful shop notes and memoranda. x,313 p. il. 5 pl. D. [Whittaker's library of arts, sciences & industries.] London: Whittaker & Co., [1893].

Jamieson, Andrew. **621.02 Q508**

57036 A text-book of applied mechanics and mechanical engineering. Specially arranged for the use of engineers qualifying for the Institution of Civil Engineers, the diplomas and degrees of technical colleges and universities, advanced science certificates of British and colonial boards of education, and honours certificates of the City and Guilds of London Institute, in mechanical engineering, and engineers generally. By Andrew Jamieson, ... Volume I–[II]. Fifth edition, revised. With numerous diagrams, special plates, and examination questions. London, C. Griffin & Co., ltd., 1905–[1906]
2 vol. fronts., illus., 7 pl. (1 fold.), 1 fold. table, 1 fold. diagr. 20cm.

Rankine, William John Macquorn. **621.02 P300**

11134 A manual of machinery and millwork. Seventh edition, thoroughly revised, by W. J. Millar. xvi,601 p. il. O. London: C. Griffin & Co., 1893.

Rankine, William John Macquorn. 621.02 P702 621.02 Manuals of mechanical engineering

11245 A manual of the steam engine and other prime movers. Fourteenth edition, revised. By W. J. Millar. xxxii,638 p. il. 2 pl. 1 table. D. London: C. Griffin & Co., 1897.

Unwin, William Cawthorne, 1838– 621.02 Q102

30969 The elements of machine design. Part I–[II]. . . . . By W. Cawthorne Unwin, F.R.S. . . . . New edition, revised and enlarged . . . . London, New York, [etc.], Longmans, Green, & Co., 1901-1902.

2 vol. 18cm. [Text-books of science.]

Contents. — vol. 1. General principles, fastenings, and transmissive machinery. . . . . (Eighteenth impression.) 1901. xvi, 555 p. 345 diagr. — vol. 2. Chiefly on engine details. 1902. xiv, 431 p. 259 diagr.

Weisbach, Julius, 1806–1871. 621.02 N500

63595 Lehrbuch der Ingenieur- und Maschinen-Mechanik. Mit den nöthigen Hülfslehren aus der Analysis für den Unterricht an technischen Lehranstalten sowie zum Gebrauche für Techniker bearbeitet von Dr. phil. Julius Weisbach . . . . Fünfte verbesserte und vervollständigte Auflage bearbeitet von Gustav Herrmann, ... In drei Theilen. Mit gegen 4000 in den Text eingedruckten Holzstichen. . . . . Braunschweig, F. Vieweg und Sohn, 1876–1901.

7 vol. illus., diagrs. 21½cm.

Contents. — 1. Th. Lehrbuch der theoretischen Mechanik. Zweiter unveränderter Abdruck des 1875 erschienenen Werkes. 1896. [4, xiii]–xxviii, 1319 p. 1034 illus. — 2. Th. Die Statik der Bauwerke und die Mechanik der Umtriebsmaschinen. 1882–1887 2 vol. illus. — 3. Th. Die Mechanik der Zwischen- und Arbeitsmaschinen. Zweite verbesserte und vervollständigte Auflage. 1876–1901. 3 vol. in 4. illus.

Horner, Joseph Gregory, *ed.* L621.03 Q600 621.03 Dictionaries

56753 Henley's encyclopædia of practical engineering and allied trades. A practical and indispensable work of reference for the mechanical engineer, designer, draftsman, shop superintendent, foreman and machinist. . . . . Edited by Joseph G. Horner, . . . , assisted by a corps of practical men, each a specialist in the subject of which he writes. Profusely illustrated. . . . . New York, N. W. Henley Publishing Company, 1906–.

Vol. 1–. illus., plates. 25½cm.

Horner, Joseph G., *editor.* 621.03 Q100

33884 Lockwood's Dictionary of terms used in the practice of mechanical engineering, embracing those current in the drawing office, pattern shop, foundry, fitting, turning, smiths' and boiler shops. . . . . Third edition, revised, with appendix. vi,452 p. D. London: C. Lockwood & Son, 1902.

Thurston, Robert Henry. 531.8 P40c 621.04 Animal as a machine

12236 The animal as a machine and a prime motor, and the laws of energetics. First edition. . . . . iv,97 p. 3 il. D. New York: J. Wiley & Sons, 1894.

621.07 Engineering examinations

Lewis, Myron H 621.071 Q600

93518 Manual of examinations for engineering positions in the service of the city of New York. Questions and answers in 3 volumes and 8 parts. Vol. I. Axeman, chainman and rodman, leveler, transitman and computer. Vol. II. Assistant engineer. Vol. III. Draftsman and inspector. To which are added appendixes giving examination papers, etc. in the civil service of the federal government (including Panama Canal and United States navy), New York state, Boston, New Orleans, etc. By Myron H. Lewis ... and Milton Kempner ... New York, The Engineering News Publishing Co., 1906.

9 pts. in 1 vol. illus., diagrs. 22½cm.

Blank leaves inserted.

621.09773 Stationary engineers of Chicago

Directory. 621.09773 I

15215 b ... . Directory of stationary engineers of Illinois. Contains ... list of steam plants, with capacity and name of engineer in charge ... . Alphabetical list of all engineers in Chicago and all steam plants in Illinois, arranged by towns, ... Classified directory of leading engineers' supply houses. ... . Chicago, Licensed Stationary Engineers Directory Company, [1892]–c1908.

Vol. 1, 17, 1892, 1908. 23cm.–27 x 20cm.

Vol. 1 title reads: Directory of licensed stationary engineers of Chicago.

621.1 Steam engineering

Gebhardt, George Frederick. 621.1 Q802

66597 Steam power plant engineering, by G. F. Gebhardt ... . First edition. ... . New York, J. Wiley & Sons; [etc., etc.], 1908.

xxix, 816 p. incl. illus., tables. diagrs. 23½cm.

"This book is the outcome of a series of lectures delivered to the senior class of the Armour Institute of Technology, Chicago, Ill." — Pref.

"General bibliography — Power plant engineering. Description of power plants," p. 724–743.

Jamieson, Andrew. 621.1 Q402

47614 A text-book on steam and steam engines, including turbines and boilers. Specially arranged for the use of engineers qualifying for the Institution of Civil Engineers, ... , and honours certificates of the City and Guilds of London Institute, in mechanical engineering, and engineers generally. By Andrew Jamieson, ... Fourteenth edition, revised. With numerous diagrams, folding-plates, and examination questions. London, C. Griffin & Co., ltd., 1904.

xxiv, 780 p. front., illus., 6 fold. pl. (1 col.), 2 fold. diagrs. 20cm.

Peabody, Cecil Hobart, 1855– 533.9 Q700

65319 Tables of the properties of steam and other vapors and temperature-entropy table, by Cecil H. Peabody ... . Seventh edition. Rewritten. New York, J. Wiley & Sons; [etc., etc.], 1908.

v, 131 p. 23½cm.

"The actual work of recomputing the tables of properties of steam and of constructing the temperature-entropy table has been done by Mr. Harold A. Everett." — Pref.

Rose, Joshua. L621.1 P303 621.1 Steam engineering

18136 Modern steam engines: an elementary treatise upon the steam engine, written in plain language, for use in the workshop as well as in the drawing office. Giving full explanations of the construction of modern steam engines; including diagrams showing their actual operation; together with complete but simple explanations of the operations of various kinds of valves, valve motions, and link motions, etc. . . . . New edition, revised and improved. 357 p. il. 1 pl. sq.F. Philadelphia: H. C. Baird & Co., 1897.

Sennett, Richard, & Oram, Henry J. 621.12 P902

28875 The marine steam engine. A treatise for engineering students, . . . , and officers of the Royal Navy and mercantile marine. Fifth edition. xi,519 p. 414 il. O. London: Longmans, Green, & Co., 1900.

Thurston, Robert Henry, 1839–1903. 621.1 P604

61969 . . . . A history of the growth of the steam-engine, by Robert H. Thurston . . . . Fourth edition, revised. New York, D. Appleton and Co., 1901.

xviii, 530 p. front., illus. (incl. ports., diagrs.) 19½cm. (*Half-title:* The international scientific series, vol. XXIV.)

Series title also at head of t.-p.

Thurston, Robert Henry, 1839–1903. 621.1 Q004

27106 A manual of the steam-engine. For engineers and technical schools; advanced courses. By Robert H. Thurston, A.M., ... Fifth revised edition. . . . . New York, J. Wiley & Sons; London, Chapman & Hall, lt'd., 1900–1902.

2 vol. 23½cm.

Contents.—pt. 1. Structure and theory. [2], xxi, 1017, xv p. front., illus. incl. diagrs., 5 pl., 4 fold. diagr. 1900.—pt. 2. Design, construction, and operation. xxiii, 960, xvi p. illus. incl. diagrs., 2 pl., 8 diagr. (partly fold.), 2 fold. tables. 1902.

White, *Sir* William Henry. L623.8 P406

29120 A manual of naval architecture. For use of officers of the Royal Navy, officers of the mercantile marine, yachtsmen, shipowners, and shipbuilders. Fifth edition. . . . . xx,731 p. 176 il. Q. London: J. Murray, 1900.

Contains also chapters on marine engineering and ship propulsion.

Stevens, Theodore. 621.17 Q604 621.17 Steam turbines

61934 Steam turbine engineering; by T. Stevens . . . and H. M. Hobart . . . . With 516 illustrations. London and New York, Whittaker and Co., 1906.

x, 814 p. illus., fold. plates, fold. tables, diagrs. (partly fold.) 23½cm. (*On cover:* The specialists' series.)

Bibliography, p. 749–776.

621.17 Steam turbines

Stodola, Aurel. 621.17 Q606

58644 Steam turbines, with an appendix on gas turbines and the future of heat engines, by Dr. A. Stodola . . . . Second revised edition of the authorized translation from the second enlarged and revised German edition, with mathematical supplement and aid by Dr. Louis C. Loewenstein ... with 241 cuts and 3 lithograph tables. New York, D. Van Nostrand Company; [etc., etc.], 1906.

xix, 490 p. illus., diagrs. (4 fold.) 23½cm.

3 folded diagrams in pocket.

"First published in the Zeitschrift des Vereins deutscher Ingenieure, 1903."—Author's pref. to first edition.

621.18 Steam boilers

Kent, William. 621.18 Q100

28709 Steam-boiler economy. A treatise on the theory and practice of fuel economy in the operation of steam-boilers. First edition. . . . . xiv,458 p. 134 il. 2 maps. O. New York: J. Wiley & Sons, 1901.

"Coal fields of the United States," p. 52–83.

Peabody, Cecil Hobart, 1855– 621.18 Q802

67831 Steam-boilers. By Cecil H. Peabody ... and Edward F. Miller . . . . Second edition, revised and enlarged. New York, J. Wiley & Sons; [etc., etc.], 1908.

viii, 434 p. incl. illus., tables. diagrs. (partly fold.) 23½cm.

Poole, Herman. 662.6 Q001

23274 The calorific power of fuels. With a collection of auxiliary tables, and tables showing the heat of combustion of fuels, solid, liquid and gaseous. To which is appended the report of the Committee on Boiler Tests of the American Society of Mechanical Engineers (December, 1899). Second edition, revised and enlarged. . . . . xvii,269 p. 40 il. O. New York: J. Wiley & Sons, 1900.

Thurston, Robert Henry. 621.18 Q101

50293 A manual of steam-boilers: their design, construction, and operation. For technical schools and engineers. By R. H. Thurston . . . . Seventh edition, revised and enlarged . . . . New York, J. Wiley & Sons; London, Chapman & Hall, ltd., 1901.

xvi, 872, xiii p. front., illus., plates, tables. 23½cm.

621.2 Hydraulic machinery

Blaine, Robert Gordon. 621.2 Q501

52506 Hydraulic machinery. With an introduction to hydraulics by Robert Gordon Blaine, ... Second edition, revised and enlarged. London, E. & F. N. Spon, ltd.; New York, Spon & Chamberlain, 1905.

xii, 468 p. incl. front. (port.), illus., 1 fold. pl., 1 fold. plan, 4 fold. diagr. 22½cm. (*Half-title:* Finsbury technical manuals. . . . .)

Church, Irving Porter, 1851– 621.2 Q500 621.2 Hydraulic machinery

63517 Hydraulic motors, with related subjects, including centrifugal pumps, pipes, and open channels, designed as a text-book for engineering schools, by Irving P. Church .... First edition. .... New York, J. Wiley & Sons; [etc., etc.], 1905.

[2], vi, 269, [12], vii–ix p. front., illus., plates, diagrs. 24cm.

"Bibliography of hydraulic motors," p. iv.

Lyndon, Lamar. 537.835 Q800

64544 Development and electrical distribution of water power, by Lamar Lyndon. First edition .... New York, J. Wiley & Sons; London, Chapman & Hall, ltd., 1908.

vi, 317 p. illus. incl. diagrs. 23½cm.

Marks, George Croydon. 621.2 Q502

56876 Hydraulic power engineering. A practical manual on the concentration and transmission of power by hydraulic machinery by G. Croydon Marks, ... Second edition, enlarged. With about two hundred and forty illustrations. London, C. Lockwood and Son, 1905.

xvi, 388 p. front., diagrs., 18 pl. (1 fold.) 21cm.

"May be regarded as a successor to a smaller volume by the same author on 'Hydraulic machinery,' published in 1891." —Pref. to first edition.

Merriman, Mansfield, 1848– 532 Q300

63563 Treatise on hydraulics, by Mansfield Merriman .... Eighth edition, rewritten and enlarged. .... New York, J. Wiley & Sons; London, Chapman & Hall, ltd., 1903.

viii, 585 p. diagr. 23½cm.

Wood, De Volson. 621.24 P600

11598 Turbines, theoretical and practical, with numerical examples and experimental results. Second edition, revised and enlarged. [4],152 p. il. 45 pl. O. New York: J. Wiley & Sons, 1896.

See also 532 Hydraulics; 626–627 Canal and river engineering.

Carpenter, Rolla Clinton, 1852– 621.43 Q804 621.4 Gas engines

66226 Internal combustion engines, their theory, construction and operation, by Rolla C. Carpenter ... and H. Diederichs .... New York, D. Van Nostrand Company, 1908.

xiv, 597 p. incl. illus., tables, diagrs. 24½cm.

Donkin, Bryan, 1835–1902. 621.4 Q505

63549 A text book on gas, oil, and air engines; by Bryan Donkin .... With 165 illustrations and selected tables of trials. Fourth edition, revised and enlarged. London, C. Griffin and Co., ltd., 1905.

xxii, 568 p. illus., 11 tables. 23cm.

"Bibliography up to 1905," p. 555–557.

621.4 Gas engines

Güldner, Hugo. L621.4 Q500

48134 Das Entwerfen und Berechnen der Verbrennungsmotoren. Handbuch für Konstrukteure und Erbauer von Gas- und Ölkraftmaschinen. Von Hugo Güldner, ... Zweite, bedeutend erweiterte Auflage. Mit 800 Textfiguren und 30 Konstruktionstafeln. Berlin, J. Springer, 1905.

xvi, 626, [2] p. illus., xxx fold. diagr. 27½cm.

Hiscox, Gardner Dexter. 621.4 Q200

50174 Gas, gasoline and oil engines; an up-to-date book on the subject of explosive motor power . . . by Gardner D. Hiscox . . . . Tenth edition, reset, revised and enlarged, with 312 illustrations. New York, N. W. Henley & Co., 1902.

[4, vii]–viii, 411 p. illus., diagr. 23½cm.

621.5 Compressed air. Refrigeration

Hiscox, Gardner Dexter. 621.5 Q101

30863 Compressed air. Its production, uses, and applications. Comprising the physical properties of air from a vacuum to its liquid state, its thermodynamics, compression, transmission and uses as a motive power . . . . 822 p. 545 il. 1 pl. 1 por. O. New York: N. W. Henley & Co., 1901.

"Patents. Issued by the United States Patent Office on compressed air and its appliances, from 1875 to July 1, 1901," p. 805–817.

Ice. 621.5 Q502

49947 Ice and cold storage trades' directory and handbook . . . for all connected with the refrigerating industry & allied trades in Great Britain, the colonies, Europe, Asia, Africa, and the United States. London, The Ice and Cold Storage Publishing Company, ltd., 1905.

Vol. 5, 1905. 23cm.

Tayler, Alexander James Wallis-. 621.5 Q201

50172 Refrigeration, cold storage and ice-making; a practical treatise on the art and science of refrigeration, by A. J. Wallis-Tayler . . . . With three hundred and sixty-one illustrations. London, C. Lockwood and Son, 1902.

xxi, 590 p. illus., plate, table, diagr. 23cm.

An elaboration of an earlier work, "Refrigerating and ice-making machinery."

Appendix: Useful tables and memoranda. Bibliography of refrigeration.

621.64 Pumping machinery

Barr, William Miller. 621.64 Q800

63783 Pumping machinery. A practical hand-book relating to the construction and management of steam and power pumping machines. By William M. Barr, ... Second edition. With two hundred and eighty-seven engravings, covering every essential detail in pump construction. Philadelphia and London, J. B. Lippincott Company, 1908.

483 p. illus., 3 pl. (2 fold.), 1 diagr. 24cm.

1 plate and diagram have illustrations on both sides.

MacCord, Charles William. 621.81 O300 621.81 Principles of mechanism

26999 Kinematics. A treatise on the modification of motion, as affected by the forms and modes of connection of the moving parts of machines. . . . . Fourth edition. . . . . xi,335 p. il. O. New York: J. Wiley & Sons, 1896, c. 1883.

Robinson, Stillman Williams. 621.81 P600

5921 Principles of mechanism. A treatise on the modification of motion by means of the elementary combinations of mechanism, or of the parts of machines. . . . . First edition. . . . . xv,309 p. 353 il. O. New York: J. Wiley & Sons, 1896.

Horner, Joseph [Gregory]. 621.9 Q500 621.9 Machine shop. Tools

47563 Tools for engineers and woodworkers including modern instruments of measurement, by Joseph Horner, ... With four hundred and fifty-six illustrations. London, C. Lockwood and Son, 1905.

xii, 340 p. 456 diagrs. 21cm.

Rose, Joshua. L621.9 P902

28719 Modern machine-shop practice. Operation, construction, and principles of shop machinery, steam engines, and electrical machinery. Third edition, revised and enlarged. 2 vol. il. pl. por. sq. F. New York: C. Scribner's Sons, 1899.

Vol. 2 is in second edition, and has no subtitle.

Smith, Oberlin. 671 P600

2927 Press-working of metals. A treatise upon the principles and practice of shaping metals in dies by the action of presses, ... First edition. . . . . 276 p. 431 il. 1 pl. O. New York: J. Wiley & Sons, 1896.

Horner, Joseph Gregory. 621.94 Q601 621.94 Metal turning

63548 Practical metal turning; a handbook for engineers, technical students, and amateurs (re-issue of "Engineers' turning") . . . by Joseph G. Horner . . . . Illustrated by four hundred and eighty-five illustrations. London, C. Lockwood and Sons, 1906.

[2], [v]–xii, 404 p. illus. 21½cm.

Contents. — Preface. — Introduction: The relations of the turnery to the machine shop. — The lathe, its work, and the tools. — Turning between centres. — Work supported at one end. — Internal work. — Screw cutting and turret work. — Miscellaneous matters. — Steel makers' instructions. — Index.

Lukin, James. 684.1 O800

4531 Turning lathes: a manual for technical schools and apprentices. A guide to turning, screw-cutting, metal-spinning, &c., &c. vi, [2],160 p. il. D. London: E. & F. N. Spon, 1888.

622 |Mining engineering

Copper handbook. 622.09 1

28960 The Copper handbook. A manual of the copper industry of the world. . . . . Houghton, Michigan, 1900–.

Continued from [vol. 1], 1900. 23cm.

[Vol. 1], subtitle reads: Giving fifty statistical tables, . . . , and much other information of value; it is "devoted mainly to Lake Superior copper mines"; vol. 2, A manual of the copper industry of the United States and foreign countries.

Edited by Horace J. Stevens.

Davies, David Christopher. 553.6 P200

13718 A treatise on earthy and other minerals and mining. By D. C. Davies. Third edition, thoroughly revised and enlarged by his son E. Henry Davies. xviii,394 p. 76 il. D. London: C. Lockwood & Son, 1892.

Foster, *Sir* Clement Le Neve, 1841–1904. 622.02 Q504

63516 A treatise on ore and stone mining. By Sir Clement Le Neve Foster . . . . Sixth edition, revised and enlarged by Bennett H. Brough . . . . London, C. Griffin & Co., ltd., 1905.

xxx, 799 p. front., illus., diagrs. 22cm.

"List of periodical publications dealing with ore and stone mining," p. xxix–xxx.

Bibliographies interspersed.

International mining manual. L622.0973 5

60315 International mining manual . . . . Embracing the principal operating metal mines, mills, smelting & refining plants of the United States, Mexico and Canada and coal mines of the western states, Mexico and Canada. . . . . Denver, Colorado, Western Mining Directory Company, [1907].

Vol. 15, 1907. 27½cm.

Edited by Alexander R. Dunbar.

Mineral industry. 622.051 1

1710 The Mineral industry, its statistics, technology and trade, in the United States and other countries, ... Founded by the late Richard P. Rothwell. . . . . Continued from vol. 1. 1892. il. pl. pl. of por. O. New York 1893–.

Vol. 1–8 edited by Richard P. Rothwell; vol. 9, by Richard P. Rothwell and Joseph Struthers; vol. 10–, by Joseph Struthers.

Vol. 1–5 published as Statistical supplement to Engineering and mining journal.

Mining manual. 622.052 2

9278 The Mining manual . . . . A record of information concerning mining companies, arranged in four sections: Australasian, South African, West African & Miscellaneous . . . . Continued from vol. [11]. 1897. O. London 1897–.

Edited by Walter R. Skinner.

Vol. [11–14] have subtitle: Separate sections are devoted to Australasian mining companies and South African mining companies; vol. 15 adds west African mining companies.

Vol. [11–14] called vol. 9–12.

Mining year-book. 622.052 5 622 Mining engineering

31432 The Mining year-book. "The busy man's book on mines." .... London, The Financial Times, [1901–1906].

1901, 1906. 2 vol. illus. (maps). 22cm.

1901 edited by Neville Beeman and A. N. Jackman; 1906, by A. N. Jackman. Introductions and glossary by J. W. Broomhead.

National. 622.0973 4

42555 National iron and steel, coal and coke blue book. An authentic and concise list of firms, corporations and individuals, engaged in the production of iron and steel, coal and coke, in the United States. The plants or mines operated, their location, description, equipment, etc. .... Pittsburg, Pa., R. L. Polk & Co., [c1902–c1907]

Vol. 1–3, 1902–1907. 21½cm.–24½cm.

Vol. 1–2 edited by B. H. Morwood.

U. S. A. *Department of Commerce and Labor.* L622.0973 Q200

63584 *Bureau of the Census.*

... Mines and quarries 1902. Prepared under the supervision of William M. Steuart, chief statistician for manufactures .... Washington, Gov't Print. Off., 1905.

xxix, 1123 p. plates, diagrs. 30cm.

At head of title: Department of Commerce and Labor. Bureau of the Census, S. N. D. North, director. Special reports.

Electricity in mining, by Thomas Commerford Martin, p. 145–161.

Reports on separate minerals: Iron ore, Manganese ore, by John Birkinbine. — Lead and zinc ore, Copper ore, Gold and silver, by Isaac A. Hourwich. — Precious metals recovered by cyanide processes, by Charles E. Munroe. — Quicksilver, Borax, Phosphate rock, Sulphur and pyrite, Mineral pigments (crude), Asphaltum and bituminous rock, Bauxite, Graphite, Magnesite, by Joseph Struthers. — Platinum, by David T. Day. — Coal, by Edward W. Parker. — Petroleum, Natural gas, by F. H. Oliphant. — Stone, by George P. Merrill. — Cement, Gypsum, Flint and feldspar, Fuller's earth, Marl, by Story B. Ladd. — Clay, by Jefferson Middleton. — Abrasive materials, Fluorspar, Barytes, Steel hardening metals, Asbestos, Lithium ore, Mica, Monazite, Talc and soapstone, by Joseph Hyde Pratt. — Precious stones, by George F. Kunz. — Mineral resources of Porto Rico, by William F. Willoughby.

U. S. A. *Department of the Interior. Geological Survey.* 622.0973 2

2025 .... Mineral resources of the United States. .... Washington, Gov't Print. Off., 1883–.

Continued from [vol. 1], 1882. illus., plates, maps, tables. 23cm.

At head of title: Department of the Interior. United States Geological Survey. ....

1894–1899 published as part of the Annual report of the United States Geological Survey, no. 16–21, 1894–1900, which has shelf number **L557.3 2**

Copp, Henry N., *editor.* 622.007 P600 622.007 Mining laws

6611 American mining code: embracing the United States, state, and territorial mining laws, the Land Office regulations, and a digest of federal and state court and land department decisions. iv, 214 p. O. Washington, D. C.: published by the editor, 1896.

622.007 Mining laws

Shamel, Charles H , 1867– 622.007 Q700

63519 Mining, mineral and geological law; a treatise on the law of the United States involving geology, mineralogy and allied sciences as applied in mining, real estate, public land, United States customs and other litigation; also the acquisition and maintenance of mining rights in the public domain and obtaining patents for mineral land under the United States mining laws. By Charles H. Shamel . . . . London, New York, Hill Publishing Company, 1907.

xxx, 627 p. illus., fold. tables, diagrs. 24cm.
"Bibliography," p. 551–570.

U. S. A. *Laws, statutes, etc.* 622.007 Q701

68760 . . . . United States mining laws, and regulations thereunder. Approved May 21, 1907. [Washington, Gov't Print. Off., 1907.]

66 p. 24½cm.
At head of title: General Land Office.

622.33 Coal mining

Gresley, William Stukeley. 622.33 O300

14090 A glossary of terms used in coal mining. x,[2],296 p. 138 il. D. London: E. & F. N. Spon, 1883.

Nicolls, William Jasper. 553.23 P700

12205 The story of American coals. 405 p. 1 pl. O. Philadelphia: J. B. Lippincott Co., 1897.

622.34 Copper mining

Weed, Walter Harvey, 1862– 622.3419 Q700

63547 The copper mines of the world, by Walter Harvey Weed . . . . New York and London, Hill Publishing Company, 1907.

xiv, 375 p. illus., diagrs., maps (1 fold.) 24cm.
Contains references.

623 Military and naval engineering

Blue book. L656.0973 10

20493 . . . . Blue book of American shipping. Marine [and] naval directory of the United States, . . . statistics of shipping and ship building in America . . . . Cleveland, Ohio, Chicago, [etc.], [c1899–1905].

1899, 1902, 1905. 3 vol. illus., plates. 26½cm.
Subtitle varies.
1905: Tenth annual edition.

Farrow, Edward S. L355.03 P501

21020 Farrow's military encyclopedia. A dictionary of military knowledge. Second edition, revised and enlarged, with supplement. 3 vol. il. pl. maps. Q. New York: Military-Naval Publishing Co., 1895, c. 1884.

Naval annual. L359.052 1

12650 The Naval annual, ... Portsmouth, J. Griffin and Co., 1898–.

Continued from [vol. 12], 1898. fronts., illus., plates, plans, maps, tables. 25cm.

Naval encyclopædia. L359.03 O001 623 Military and naval engineering

16267 A naval encyclopædia: comprising a dictionary of nautical words and phrases; biographical notices, and records of naval officers; special articles on naval art and science, written ... by officers and others of recognized authority in the branches treated by them. Together with descriptions of the principal naval stations and seaports of the world. 1017 p. il. Q. Philadelphia: L. R Hamersly & Co., 1881.

Patterson, Howard. L656.9 Q101

30459 Patterson's Illustrated nautical encyclopedia. From keel to truck. From stem to sternpost. From zenith to nadir. From bedplate to funnel. From torpedo boat to battle ship. .... (Revised and enlarged edition.) 514 p. 500 il. 1 por. paged in. Q. Cleveland, O.: Marine Review Pub. Co., c. 1901.

White, *Sir* William Henry. L623.8 P406 623.8 Naval] architecture

29120 A manual of naval architecture. For use of officers of the Royal Navy, officers of the mercantile marine, yachtsmen, shipowners, and shipbuilders. Fifth edition. .... xx,731 p. 176 il. Q. London: J. Murray, 1900.

Contains also chapters on marine engineering and ship propulsion.

Johnson, John Butler, 1850–1902. L624.2 Q400 624 Bridges and roofs

61961 The theory and practice of modern framed structures. Designed for the use of schools, and for engineers in professional practice. By J. B. Johnson ... C. W. Bryan and F. E. Turneaure .... Eighth edition, partly rewritten. .... New York, J. Wiley and Sons; London, Chapman & Hall, ltd., 1904.

ix, 561 p. illus., plates (partly fold.) diagrs. (partly fold.) 28 x 22cm.

Merriman, Mansfield, 1848– 624.02 Q500

63515 A text-book on roofs and bridges. .... By Mansfield Merriman ... and Henry S. Jacoby .... Sixth edition, rewritten and enlarged. New York, J. Wiley & Sons; London, Chapman & Hall, ltd., 1905–.

Vol. 1–. illus., diagrs. 23½cm.

Tratman, Edward Ernest Russell. 625.1 Q100 625 Railway engineering

29430 Railway track and track work. Second edition, fully revised, and with supplementary chapters on "Signals and interlocking" and "Street railway track." [2],iv,471,[2],ix p. il. 3 tables. O. New York: Engineering News Publishing Co., c. 1901.

625.5 Street railways

Clark, Daniel Kinnear. **625.5 P401**

13157 Tramways, their construction and working. Embracing a comprehensive history of the system, with accounts of the various modes of traction ... , a description of the varieties of rolling stock and ample details of cost and working expenses, with special reference to the tramways of the United Kingdom. Second edition, re-written and greatly enlarged. xxxv,[1],758 p. il. 11 pl. 1 map. O. London: C. Lockwood & Son, 1894.

Parshall, Horace Field. **L625.5 Q700**

65330 Electric railway engineering; by H. F. Parshall ... and H. M. Hobart .... New York, D. Van Nostrand Company, 1907.

xxiv, 474 p. 437 illus., CXXIII tables, diagrs. (partly fold.) 28cm.

Powers' central station directory. **537.051 12**

18550 .... Powers' central station directory and buyer's manual. Containing a complete list of the electric lighting central stations in the United States, Canada and Mexico, ... [First]-tenth volume, 1894–1902. New York, E. L. Powers Company, 1894–1902.

10 vol. 24cm.

Vol. 1–3, no. 3, title reads: Electrical industries directory; vol. 3, no. 4–vol. 5, Standard electrical directory quarterly; with variations in the subtitle; vol. 6–7, no. 2, American electrical directory and buyer's manual.

Ceased publication in 1902; continued as Central station list and manual of electric lighting.

Vol. 1–6 published in Chicago.

No general title-page nor index.

Vol. 1, no. 1, 3, 4; vol. 3, no. 3; vol. 4, wanting.

U. S. A. *Department of Commerce and Labor.* **L625.5 Q211**

63585 *Bureau of the Census.*

... Street and electric railways 1902. Prepared under the supervision of W. M. Steuart, chief statistician for manufactures .... Washington, Gov't Print. Off., 1905.

xi, 439 p. plates, maps, tables. 30cm.

At head of title: Department of Commerce and Labor. Bureau of the Census, S. N. D. North, director. Special reports.

Contents.—Letter of transmittal.—pt. I, by Edward D. Durand: Scope and method of investigation; comparison with census of 1890; traffic; capitalization; financial operations; employees, salaries, and wages; interurban railways; economic, financial, and social features; consolidation of street railways; franchises, public regulations, and public ownership; street railways in European countries.—pt. II, by Thomas C. Martin: History and development of electric traction; roadbed, track, and electric construction; cars and miscellaneous equipment; interurban railway construction and equipment; power houses, equipment, and outfit.

625.6 Automobiles

International. **L625.6 2**

63790 International motor cyclopaedia, sport, industry and trade. .... Year book .... New York, E. E. Schwarzkopf, [1908].

1908/9. illus. 26cm.

Sloss, Robert Thompson, 1872– 625.6 Q505 625.6 Automobiles

63546 The book of the automobile; a practical volume devoted to the history, construction, use and care of motor cars and to the subject of motoring in America, by R. T. Sloss; introduction by Dave H. Morris . . . . New York, D. Appleton and Co., 1905.
xxii, 372 p. front., illus., xv pl., fold. map, diagrs. 21½cm.

Aitken, Thomas. 625.7 Q001 625.7 Roads

28926 Road making and maintenance: a practical treatise for engineers, surveyors and others. With an historical sketch of ancient and modern practice. xvi,440 p. il. 15 pl. O. London: C. Griffin & Co., 1900.

Baker, Ira Osborn, 1853– 625.7 Q300

50185 A treatise on roads and pavements. By Ira Osborn Baker . . . . First edition. . . . . New York, J. Wiley & Sons; London, Chapman & Hall, ltd., 1903.
viii, 655 p. illus., diagr. 23½cm.

Byrne, Austin Thomas, 1859– 625.7 Q701

65336 A treatise on highway construction. Designed as a text-book and work of reference for all who may be engaged in the location, construction or maintenance of roads, streets, and pavements. By Austin T. Byrne, C. E. Fifth revised and enlarged edition. . . . . New York, J. Wiley & Sons; [etc., etc.], 1907.
xliii, 1040 p. incl. illus., tables, diagrs. 23½cm.

Judson, William Pierson, 1849– 625.7 Q802

68277 Road preservation and dust prevention, by William Pierson Judson . . . . New York, The Engineering News Publishing Co.; [etc., etc.], 1908.
146 p. illus. 22½cm.

Richardson, Clifford, 1856– 665.4 Q801 625.8 Pavements

68276 The modern asphalt pavement, by Clifford Richardson . . . . Second edition, revised and enlarged. . . . . New York, J. Wiley & Sons; [etc., etc.], 1908.
ix, 629 p. incl. illus., tables, diagrs. 23½cm.

Tillson, George William. 625.8 Q001

27107 Street pavements and paving materials. A manual of city pavements: the methods and materials of their construction. For the use of students, engineers and city officials. First edition. . . . . xii,532 p. il. 1 pl. paged in. O. New York: J. Wiley & Sons, 1900.

626 Canal engineering

Jeans, James Stephen. 626 P001

11412 Waterways and water transport in different countries: with a description of the Panama, Suez, Manchester, Nicaraguan, and other canals. xx,507 p. il. 4 pl. O. London: E. & F. N. Spon, 1890.

627 River engineering

Frizell, Joseph Palmer. 627.02 Q302

50277 Water power. An outline of the development and application of the energy of flowing water. By Joseph P. Frizell .... Third edition, enlarged. .... New York, J. Wiley & Sons; London, Chapman & Hall, ltd., 1903.

vii, 646 p. incl. illus., 1 pl., diagrs. 1 fold. diagr. 23½cm.

Harcourt, Leveson Francis Vernon-. 627.02 P600

7809 Rivers and canals. The flow, control, and improvement of rivers, and the design, construction, and development of canals, both for navigation and irrigation. With statistics of the traffic on inland waterways. Second edition, re-written and enlarged. 2 vol. il. pl. O. Oxford: Clarendon Press, 1896.

Hiscox, Gardner Dexter. 627.02 Q801

67984 Hydraulic engineering; a treatise on the properties, power and resources of water for all purposes ... by Gardner D. Hiscox .... 300 illustrations with 36 practical tables. New York, The N. W. Henley Publishing Company, 1908.

[4], 3-315 p. illus., plates, diagrs. 24cm.

Mead, Daniel Webster, 1862- 627.02 Q802

67620 Water power engineering; the theory, investigation and development of water powers. By Daniel W. Mead .... New York, McGraw Publishing Co., 1908.

xvi, 787 p. incl. front., illus., maps, tables, diagrs. 23½cm.
"Literature" at end of chapters.

U. S. A. *War Department. Engineers.* 016.627 U58

62035 ... Analytical and topical index to the reports of the chief of engineers and officers of the Corps of Engineers, United States army, 1866-1900 .... Compiled under the direction of Lieut. Colonel C. W. Raymond ... by John McClure .... Washington, Gov't Print. Off., 1902-1903.

3 vol. 23cm. (57th Congress, 2d session. House. Doc. no. 439)
On verso of t.-p.: War Department, Document no. 165.
Paged continuously; vol. 1: 638 p.; vol. 2: 639-1371 p.; vol. 3: v, 1373-1788 p.
Embraces a consolidation of the indexes to reports, 1866-1892, published in 1881, 1889, and 1895.
Contents. — I-II. River and harbor works. — III. Fortifications, bridges, laws, miscellaneous, and topical index.

Harcourt, Leveson Francis Vernon-. 627.2 O400 627.2 Harbors

4092 Harbours and docks: their physical features, history, construction, equipment, and maintenance, with statistics as to their commercial development. . . . . 2 vol. il. pl. O. (Clarendon press series.) Oxford: Clarendon Press, 1885.

Vol. 1: Text; vol. 2: Plates.

Wegmann, Edward, 1850– L627.8 Q701 627.8 Dams

63514 The design and construction of dams, including masonry, earth, rock-fill, timber, and steel structures, also the principal types of movable dams, by Edward Wegmann . . . . Fifth edition, revised and enlarged. . . . . New York, J. Wiley & Sons; [etc., etc.], 1907.

xiii, 421 p. incl. illus., 33 pl., tables, diagrs. front., c pl. (partly fold.) 30½ x 24½cm.
The plates included in the paging are numbered A–Z, AA–GG.
"Bibliography," p. 405–413.

See also 532 Hydraulics; 621.2 Hydraulic machinery.

Baker, Moses Nelson. 628.02 Q104

50260 . . . . Municipal engineering and sanitation by M. N. Baker . . . New York, London, The Macmillan Company, 1902, [1901].

viii, 317 p. 19½cm. (The citizens library.)

Galton, *Sir* **Douglas.** 628.02 P600 628 Sanitary engineering

6468 Observations on the construction of healthy dwellings, namely: houses, hospitals, barracks, asylums, etc. Second edition, revised. xvi,306 p. 65 il. O. Oxford: Clarendon Press, 1896.

Gerhard, William Paul, 1854– L628.02 P902

29783 Sanitary engineering of buildings. By Wm. Paul Gerhard, ...
a Vol. 1. With 103 illustrations and 6 plates. New York, W. T. Comstock, 1899.

[8], 454 p. 103 illus., VI pl. 26cm.
All published.

Gerhard, William Paul, 1854– 628.02 Q702

68762 Sanitation of public buildings, by William Paul Gerhard . . . . First edition. . . . . New York, J. Wiley & Sons; [etc., etc.], 1907.

xi, 262 p. 19cm.
"Continuation of the author's work 'Sanitary engineering of buildings.'" — Pref.
Bibliography at end of each chapter.

Harcourt, Leveson Francis Vernon-, 1839– 628.02 Q700

65331 . . . . Sanitary engineering with respect to water-supply and sewage disposal, by Leveson Francis Vernon-Harcourt . . . . With 287 illustrations. London, New York, [etc.], Longmans, Green, and Co., 1907.

xxi, [1], 419, [1] p. illus. 23cm. (*Half-title:* Longmans' civil engineering series.)
Series title also at head of t.-p.

628 Sanitary engineering

Maguire, William R. 628.02 Q101

29431 Domestic sanitary drainage and plumbing. Lectures on practical sanitation, delivered to plumbers, engineers, and others in the Central Technical Institution, South Kensington, London, under the auspices of the City and Guilds of London Institute for the Advancement of Technical Education. Third edition (revised and brought up to date). [4],506 p. il. O London: Kegan Paul, Trench, Trübner & Co., 1901.

Moore, Edward Crozier Sibbald. 628.02 Q100

28866 Sanitary engineering. A practical treatise on the collection, removal and final disposal of sewage, the design & construction of works of drainage and sewerage, and the disposal of house refuse & sewage sludge. With numerous hydraulic tables, formulæ & memoranda, including an extensive series of tables of velocity & discharge of pipes & sewers specially computed by Ganguillet and Kutter's formula. Second edition, revised and enlarged. xxxvii, 791 p. il. 83 pl. 2 paged in, 7 maps, 2 tables. O. London: B. T. Batsford, 1901.

"List of authorities," p. xxix–xxxiv.

628.097 American water-works and gas companies

Brown, Ernest C , *comp.* L628.0973 1

16309 Brown's Directory of American gas companies. Gas statistics. New York, press of "Progressive age", 1899–.

[1899]; continued from [1902]. 26cm.
[1899] called no. 8.

Manual. 628.097 1

9093 The Manual of American water-works. Compiled from special returns. Containing the history and descriptions ... of the water-works of the United States and Canada. ... and water rates charged in over 1,250 cities and towns. Edited by M. N. Baker, PH.B. ... [First–fourth issue. 1888–1897.] New York, The Engineering News Publishing Co., 1889–1897.

4 vol. 23½cm.–24cm.
Subtitle varies slightly.
Ceased publication.

628.09773 Chicago drainage canal

Chicago. *Board of Trustees of the Sanitary District.* 628.09773 P400

4889

Drainage channel and waterway: a history of the effort to secure an effective and harmless method for the disposal of the sewage of the city of Chicago, and to create a navigable channel between Lake Michigan and the Mississippi River. By G. P. Brown. ix, 480 p. il. 12 pl. 4 maps, 2 tables. O. Chicago: R. R. Donnelley & Sons' Co., 1894.

Folwell, Amory Prescott. 628.1 P900 628.1 Water-supply engineering

21511 Water-supply engineering. The designing, construction, and maintenance of water-supply systems, both city and irrigation. First edition. xiv,562 p. il. 8 pl. paged in. O. New York: J. Wiley & Sons, 1900.

Mason, William Pitt, 1853– 628.1 Q200

50241 Water-supply. (Considered principally from a sanitary standpoint.) By William P. Mason ... Third edition, rewritten. .... New York, J. Wiley & Sons; London, Chapman & Hall, ltd., 1902.

vii, 448 p. incl. illus., diagr. front., pl., fold. map. 23½cm.

Turneaure, Frederick Eugene, 1866– 628.1 Q800

67961 Public water-supplies. Requirements, resources, and the construction of works by F. E. Turneaure ... and H. L. Russell .... With a chapter on pumping-machinery by D. W. Mead .... Second edition. Revised and enlarged .... New York, J. Wiley & Sons; London, Chapman & Hall, ltd., 1909.

xv, 808 p. incl. illus., plates, tables, diagrs. 23½cm.

"Literature" at end of chapters.

Hill, John Willmuth. 628.16 P801 628.16 Water purification

17977 The purification of public water supplies. xi,304 p. 32 il. O. New York: D. Van Nostrand Co., 1898.

Contents: 1. Introduction. 2. Sources of public water supply. 3. Bacterial contents of various waters. 4. The typhoid bacillus and typhoid fever. 5. Classification of cities by typhoid fever statistics. 6. Pure and purified waters. 7. Citations on typhoid fever epidemics. 8. Sedimentation of polluted waters. 9. Sterilization of drinking-water. 10. Filtration of water supplies. 11. Types of sand filters. 12. Mechanical filters. 13. Hamburg settling-basins and filters. 14. The filters of the Berlin water-works. 15. The Fischer filter and Anderson purifier. 16. Filters proposed for Cincinnati. 17. Cost of filters and filtration. Appendix A. Typhoid fever statistics from large cities of the world. Appendix B. The bacteria. Appendix C. The legal liability of cities and water companies for damages by sewage polluted water.

"Authorities quoted or referred to," p. 290–293.

Rideal, Samuel, 1863– 628.16 Q102

50292 Water and its purification; a handbook for the use of local authorities, sanitary officers, and others interested in water supply; by Samuel Rideal .... Second edition, revised and extended. London, C. Lockwood and Son, 1902

xvi, 346 p. illus., 2 fold. tables, 3 fold. diagr. 20cm.

Folwell, Amory Prescott. 628.2 Q100 628.2 Sewage

68764 Sewerage. The designing, construction, and maintenance of sewerage systems by A. Prescott Folwell .... Fifth edition, revised and enlarged .... New York, J. Wiley & Sons; London, Chapman & Hall, ltd., 1902.

x, 445 p. illus. 23½cm.

628.2 Sewage

Rafter, George W., & Baker, M. N. **L628.3 P300**

5618 Sewage disposal in the United States. Second edition. xxvii, 598 p. 116 il. 4 pl. 1 map, 2 tables. Q. New York: D. Van Nostrand Co., 1894.

Rideal, Samuel. **628.3 Q100**

33099 Sewage and the bacterial purification of sewage. Second edition. [10],308 p. 49 il. 4 pl. O. London: Sanitary Publishing Co., 1901.

628.4 Municipal refuse. Street cleaning

Parsons, Harry de Berkeley, 1862– **628.4 Q600**

61929 The disposal of municipal refuse, by H. de B. Parsons . . . . First edition. . . . . New York, J. Wiley & Sons; [etc., etc.], 1906.

x, 186 p. incl. illus., plates, diagrs. fold. diagrs. 23½cm.

Waring, George Edwin, Jr. **628.4 P800**

10655 Street-cleaning and the disposal of a city's wastes: methods and results and the effect upon public health, public morals, and municipal prosperity. ix,230 p. il. 4 pl. 1 por. D. New York: Doubleday & McClure Co., 1898.

628.53 Smoke prevention

Booth, William Henry. **628.53 Q400**

63545 Smoke prevention and fuel economy (based on the German work of E. Schmatolla) by Wm. H. Booth ... and John B. C. Kershaw, F. I. C. With seventy-five illustrations. London, A. Constable & Co., ltd., 1904.

194 p. illus. 22cm.

Rauchplage und Brennstoffverschwendung von Ernst Schmatolla, Hanover, 1902.

628.541 Trades waste

Naylor, William. **628.541 Q200**

50180 Trades waste: its treatment and utilisation. With special reference to the prevention of rivers pollution. A handbook for borough engineers, surveyors, architects and analysts. By W. Naylor . . . . With 21 plates, 27 folding diagrams, and numerous illustrations in the text. London, C. Griffin & Co., ltd., 1902.

xvi, 267 p. illus., 21 pl., plans, 28 diagr. (partly fold.) 23cm.

"List of publications quoted," p. xvi.

628.8 Ventilation and heating

Billings, John Shaw. **628.8 P200**

1502 Ventilation and heating. 500 p. 210 il. O. New York: Engineering Record, 1893.

See also **697** Heating.

Gerhard, William Paul, 1854– 628.9 Q800 628.9 Gas lighting

65780 The American practice of gas piping and gas lighting in buildings, by Wm. Paul Gerhard . . . . New York, McGraw Publishing Company, 1908.

[8], 306 p. 24cm.

"Bibliography of gas lighting," p. 279–293.

See also **665.7** Gas engineering.

630 AGRICULTURE

Bailey, Liberty Hyde, 1858– , *ed.* L630.2 Q700

63544 Cyclopedia of American agriculture; a popular survey of agricultural conditions, practices and ideals in the United States and Canada; edited by L. H. Bailey. With one hundred full-page plates and more than two thousand illustrations in the text . . . . New York, London, The Macmillan Company, 1907–.

Vol. 1–. front., illus., plates, maps. 27½cm.

Bailey, Liberty Hyde, *editor.* 630.2 P801

20012 The principles of agriculture. A text-book for schools and rural societies. xv,300 p. 92 il. D. [Rural science series.] New York: Macmillan Co., 1898.

Card, Fred Wallace, 1863– 630.2 Q701

63543 . . . . Farm management, including business accounts, suggestions for watching markets, time to market various products, adaptation to local conditions, etc., by Fred W. Card . . . . New York, Doubleday, Page & Co., 1907.

xiii, 270 p. front., plates. 23cm. (The farm library.)

Plates printed on both sides.

Storer, Francis Humphreys. 630.2 P700

5906 Agriculture in some of its relations with chemistry. Seventh edition, revised and enlarged. 3 vol. O. New York: C. Scribner's Sons, 1897.

Wilcox, Earley Vernon, 1869– 630.3 Q400 630.3 Encyclopedias of agriculture

61944 Farmer's cyclopedia of agriculture; a compendium of agricultural science and practice on field, orchard, and garden crops, spraying, soils, the feeding and diseases of farm animals, dairy farming, and poultry in the United States and Canada, by Earley Vernon Wilcox . . . and Clarence Beaman Smith . . . . New York, O. Judd Company; London, K. Paul, Trench, Trübner & Co., ltd., 1904.

xxiv, 619 p. incl. front., illus. 24½cm.

630.5 Agricultural yearbooks

U. S. A. *Department of Agriculture.* **630.51 U588**

11673 Yearbook of the United States Department of Agriculture.
b Washington, Gov't Print. Off., 1895–.

Continued from vol. 1, 1894. fronts., illus., plates, ports., maps. 23cm.
Indexed in Card index to the publications of the Department.
Index to 1894–1900 has shelf number **016.63 U5823**

630.97 Agriculture in America

Bailey, Liberty Hyde, 1858– **630.973 Q800**

68273 The state and the farmer, by L. H. Bailey. New York, London, The Macmillan Company, 1908.

xii, 177 p. 20cm.
"The immediate basis of this book is a paper on 'The state and the farmer,' originating as a presidental address before the Association of American Agricultural Colleges and Experiment Stations at Lansing, Michigan, May 28, 1907."

Harwood, William Sumner, 1857– **630.973 Q600**

68761 The new earth; a recital of the triumphs of modern agriculture in America, by W. S. Harwood . . . . New York, London, The Macmillan Company, 1906.

xii, 378 p. front., 47 pl., port. 20cm.

Hunt, Thomas Forsyth, 1862– **630.97 Q600**

64662 How to choose a farm, with a discussion of American lands, by Thomas F. Hunt . . . . New York, London, The Macmillan Company, 1906.

xviii, 412 p. front., illus. 20cm. (*Half-title:* The rural science series.)
"Bibliography," p. 398–403.

631 Soils

Fletcher, Stevenson Whitcomb, 1875– **631 Q700**

63542 . . . . Soils, how to handle and improve them, by S. W. Fletcher . . . illustrated from photographs by the author. New York, Doubleday, Page & Co., 1907.

xxviii, 438 p. incl. tables. front., plates. 23cm. (The farm library.)
Plates printed on both sides.

Merrill, George Perkins. **552 P700**

5908 A treatise on rocks, rock-weathering and soils. xx,411 p. 42 il. 25 pl. O. New York: Macmillan Co., 1897.

Vivian, Alfred, 1867– **631 Q800**

65332 First principles of soil fertility, by Alfred Vivian . . . . New York, O. Judd Company; [etc., etc.], 1908.

[8], 3–265 p. incl. illus., tables. front. 19cm.

Wiley, Harvey Washington, 1847– **543.02 Q603**

61937 Principles and practice of agricultural analysis; a manual for the study of soils, fertilizers, and agricultural products; for the use of analysts, teachers, and students of agricultural chemistry. Second edition, revised and enlarged. . . . . By Harvey W. Wiley . . . . Easton, Pa., The Chemical Publishing Co., 1906–.

Vol. 1–. illus., plates, diagrs. 23cm.

Newell, Frederick Haynes. 626.8 Q200 631.8 Irrigation

50252 Irrigation in the United States, by Frederick Haynes Newell .... New York, T. Y. Crowell & Co., [1902].
xix, 417 p. illus., 62 pl. 19½cm. (Library of economics and politics.)

Smythe, William Ellsworth, 1861– 631.8 Q500

62426 The conquest of arid America. (New and revised edition.) Illustrated. By William E. Smythe, ... New York, London, The Macmillan Company, 1907.
[2], xxv, [3], 360 p. front., illus., 25 pl., ports. on 5 pl., 1 fold. map. 21cm.

Saunders, William. 595.7 O300 632 Injurious insects

4401 Insects injurious to fruits. Second edition. 436 p. 440 il. O. Philadelphia: J. B. Lippincott Co., 1889, c. 1883.

Smith, John Bernhard. 595.7 P600

8140 Economic entomology for the farmer and fruit-grower, and for use as a text-book .... 481 p. il. 19 pl. O. Philadelphia: J. B. Lippincott Co., 1896.

Ward, Harry Marshall. 581.2 Q100

30916 Disease in plants. xiv,[2],309 p. D. London: Macmillan & Co., 1901.

Crole, David. 633.286 P700 633 Crops

9298 Tea. A text book of tea planting and manufacture. Comprising chapters on the history and development of the industry, the cultivation of the plant, the preparation of the leaf for the market, the botany and chemistry of tea, etc., etc. With some account of the laws affecting labour in tea gardens in Assam and elsewhere. xii,242 p. il. 4 pl. O. London: C. Lockwood & Son, 1897.

Hunt, Thomas Forsyth, 1862– 633.2 Q700 634 Horticulture

63541 The forage and fiber crops in America, by Thomas F. Hunt .... New York, O. Judd Company; [etc., etc.], 1907.
xxi, 413 p. incl. front., illus. 20cm.

Romero, Matias. L972 P800

12548 Coffee and india-rubber culture in Mexico. Preceded by Geographical and statistical notes on Mexico. xxvi,[2],417 p. 1 pl. 1 map, 1 table. Q. New York: G. P. Putnam's Sons, 1898.
Geographical and statistical notes on Mexico, p. 1–280.

Bailey, Liberty Hyde, *editor.* L634 Q001

21544 Cyclopedia of American horticulture. Comprising suggestions for cultivation of horticultural plants, descriptions of the species of fruits, vegetables, flowers and ornamental plants sold in the United States and Canada, together with geographical and biographical sketches. By L. H. Bailey, assisted by Wilhelm Miller .... 4 vol. il. Q. New York: Macmillan Co., 1900–1902.

634 Horticulture

Bailey, Liberty Hyde. **634 P702**

17703 The principles of fruit-growing. Second edition. xvii,514 p. 120 il. D. [Rural science series.] New York: Macmillan Co., 1898.

"American books on fruit-growing", p. 488–500.

Bailey, Liberty Hyde. **634 P800**

16766 The pruning-book. A monograph of the pruning and training of plants as applied to American conditions. ix,[2],537 p. 331 il. S. [Garden-craft series.] New York: Macmillan Co., 1898.

Bailey, Liberty Hyde. **634 P801**

17169 Sketch of the evolution of our native fruits. xiii,472 p. 125 il. 1 por. D. New York: Macmillan Co., 1898.

"American grape literature", p. 117–126.

Card, Fred Wallace. **634.3 P800**

18050 Bush-fruits. A horticultural monograph of raspberries, blackberries, dewberries, currants, gooseberries, and other shrub-like fruits. xii,537 p. 113 il. D. [Rural science series.] New York: Macmillan Co., 1898.

Nicholson, George, *editor.* **L634 O400**

15975 The illustrated dictionary of gardening, a practical and scientific encyclopædia of horticulture for gardeners and botanists. Edited by George Nicholson, assisted by professor J. W. H. Trail, in the parts relating to insects, fungi, plant structure, horticultural chemistry, &c.; and J. Garrett in the fruit, vegetable, and general garden work portions. 5 vol. in 6. il. colored pl. sq.Q. London: L. U. Gill, [1884–1901].

Vol. 5, [part 1] published under the title: The "1900" supplement to The dictionary of gardening, ... ; [part 2], The century supplement ... .

Rogers, Julia Ellen. **L582 Q505**

63554 The tree book; a popular guide to a knowledge of the trees of North America and to their uses and cultivation, by Julia Ellen Rogers; with sixteen plates in colour and one hundred and sixty in black-and-white from photographs by A. Radclyffe Dugmore. New York, Doubleday, Page & Co., 1905.

xx, 589 p. plates (16 col., incl. front.) 26½cm.

Plates in black and white printed on both sides.

Vries, Hugo de, 1848 **581.15 Q700**

65329 Plant-breeding; comments on the experiments of Nilsson and Burbank, by Hugo de Vries ... . Chicago, The Open Court Publishing Co.; [etc., etc.], 1907.

[2], v–xiii, [2], 360 p. illus. (incl. ports.) 20cm.

Fernow, Bernhard Edward, 1851– 333.7 Q200 634.9 Forestry

50183 Economics of forestry; a reference book for students of political economy and professional and lay students of forestry, by Bernhard E. Fernow .... New York, T. Y. Crowell & Co., [1902].

[2], xii, 520 p. 19½cm. [Library of economics and politics.]

"Bibliography," p. 491–507.

Pinchot, Gifford, 1865– 634.9 P905

46692 .... A primer of forestry. Part I–[II]. .... By Gifford Pinchot, ... Washington, Gov't Print. Off., 1900–1905.

2 vol. 18½cm. (U. S. Department of Agriculture, Bureau of Forestry, Bulletin no. 24.)

Vol. 1: Second edition. Authorized by Congress April 18, 1900.

Contents.—pt. 1. The forest. 1900. 88 p. front., illus., XLVII pl.—pt. II. Practical forestry. 1905. 88 p. illus., XVIII pl. incl. front.

Another copy of vol. 2 in U. S. Department of Agriculture, Division of Forestry, Bulletin no. 24, has shelf number 634.051 7 v.24

Schlich, William, 1840– 634.9 Q401

49018 Schlich's Manual of forestry. .... By W. Schlich, ... Third edition, revised. .... London, Bradbury, Agnew, & Co., ltd., 1904–.

Vol. 1–. illus., plates. 22½cm.

Vol. 1: 1906.

Schlich, William. 634.9 P500

11180 A manual of forestry. .... 5 vol. il. pl. O. London: Bradbury, Agnew, & Co., 1895–1897.

Vol. 1 and 2 are in second edition, revised, published in 1896 and 1897.

Vol. 4–5 published under the title: Schlich's manual of forestry.

Vol. 4 is an English adaptation, by W. R. Fisher, of Hess, Richard. Der Forstschutz; vol. 5 is a translation, by W. R. Fisher, of Gayer, Karl. Die Forstbenutzung.

Vol. 1 contains a new part on The state in relation to forestry, and a general review of the timber requirements of the British Empire.

Ward, Harry Marshall. 634.9 O900

4841 Timber and some of its diseases. viii,295 p. 45 il. D. (Nature series.) London: Macmillan & Co., 1889.

Atkinson, George Francis. 589.22 Q101 635 Gardening

50209 Studies of American fungi. Mushrooms, edible, poisonous, etc. [Second edition.] By G. F. Atkinson .... Recipes for cooking mushrooms, by Mrs. Sarah T. Rorer. Chemistry and toxicology of mushrooms, by J. F. Clark. With 230 photographs by the author, and colored plates by F. R. Rathbun. Ithaca, N. Y., Andrus & Church, 1901.

vi, 322 p. col. front., illus., plates (partly col.) 24cm.

Bailey, Liberty Hyde. 635 P800

16798 Garden-making. Suggestions for the utilizing of home grounds. Third edition, revised. vii,417 p. 256 il. S. [Garden-craft series.] New York: Macmillan Co., 1899.

635 Gardening

Bailey, Liberty Hyde. 635 P600

5125 The nursery-book: a complete guide to the multiplication of plants. Third edition. xi,365 p. 152 il. D. [Garden-craft series.] New York: Macmillan Co., 1896, pref. 1891.

Bailey, Liberty Hyde. 635 Q100

28262 The principles of vegetable-gardening. x,458 p. il. D. (Rural science series.) New York: Macmillan Co., 1901.

"American books on vegetable-gardening," p. 244–263.

"Recent experiment station publications relating to vegetable-gardening [1897–1899]," p. 263–270.

Weathers, John. 716 W37

30941 A practical guide to garden plants. Containing descriptions of the hardiest and most beautiful annuals and biennials; hardy herbaceous and bulbous perennials; hardy water and bog plants; flowering and ornamental trees and shrubs; conifers; hardy ferns: hardy bamboos and other ornamental grasses. Also the best kinds of fruits and vegetables that may be grown in the open air in the British Islands, with full and practical instructions as to culture and propagation. xii,1192 p. 163 il. O. London: Longmans, Green & Co., 1901.

636 Domestic animals

Davenport, Eugene, 1856– 636 Q701

63539 Principles of breeding; a treatise on thremmatology or the principles and practices involved in the economic improvement of domesticated animals and plants, by E. Davenport ... with appendix by H. L. Rietz .... Boston, New York, [etc.], Ginn & Co., [c1907].

xiii, 727 p. incl. illus., tables, diagrs. 21½cm. (*On cover:* Country life education series.)

Contains "References."

Plumb, Charles Sumner, 1860– 636 Q602

63540 Types and breeds of farm animals, by Charles S. Plumb .... Boston, New York, [etc.], Ginn & Co., [c1906].

x, 563 p. incl. front., illus. 21½cm. (*On cover:* Country life education series.)

Shaw, Thomas, 1843– 636 Q702

63513 Feeding farm animals, by Thomas Shaw .... New York, O. Judd Company; [etc., etc.], 1907.

x, 536 p. incl. front. (port.), illus., plates. 20cm.

Thompson, George Fayette. 016.636 T37

34013 Index to literature relating to animal industry in the publications of the Department of Agriculture, 1837 to 1898. 676 p. O. (U. S. A. DEPARTMENT OF AGRICULTURE. DIVISION OF PUBLICATIONS. Bulletin, no. 5.) Washington 1900.

Another copy in Bulletin has shelf number **L630.51 32**

Wilcox, Earley Vernon, 1869– 636 Q800 636 Domestic animals

63787 Farmer's cyclopedia of live stock. By Earley Vernon Wilcox, ... and Clarence Beaman Smith, ... Illustrated. New York, O. Judd Company; London, K. Paul, Trench, Trübner & Co., ltd., 1908.

x, 745 p. front., 450 illus., 5 col. models. 24½cm.

Jensen, Carl Oluf, 1864– 637 Q701 637 Dairy

68758 Essentials of milk hygiene; a practical treatise on dairy and milk inspection and on the hygienic production and handling of milk, for students of dairying and sanitariams, by C. O. Jensen .... Translated and amplified by Leonard Pearson .... Philadelphia and London, J. B. Lippincott Company, [1907].

viii, 9–275 p. incl. illus., tables. 2 pl. 22½cm.

Richmond, Henry Droop. 637 P901

22645 Dairy chemistry: a practical handbook for dairy chemists and others having control of dairies. xix,384 p. 22 il. 5 tables. O. London: C. Griffin & Co., 1899.

Wing, Henry Hiram. 637 Q001

27213 Milk and its products. A treatise upon the nature and qualities of dairy milk and the manufacture of butter and cheese. Third edition, with additions. xiii,[1],311 p. il. D. [Rural science series.] New York: Macmillan Co., 1900.

"References to agricultural experiment station reports and bulletins," p. 289–297.

Cheshire, Frank R. 638 O600 638 Bees

12720 Bees & bee-keeping; scientific and practical. A complete treatise on the anatomy, physiology, floral relations, and profitable management of the hive bee. .... 2 vol. il. pl. D. London: L. U. Gill, 1886–1888.

Contents: Vol. 1. Scientific. Vol. 2. Practical.

U. S. A. *Commission of Fish and Fisheries.* 639.2 Q001 639 Fish culture

48083 .... A manual of fish-culture, based on the methods of the United States Commission of Fish and Fisheries, with chapters on the cultivation of oysters and frogs. Revised edition. Washington, Gov't Print. Off., 1900.

x, 340 p. col. front., illus., 79 pl. (1 fold.), 3 fold. plans. 23½cm.

At head of title: U. S. Commission of Fish and Fisheries. ....

640
DOMESTIC ECONOMY

Campbell, Helen, [*born* **Stuart**]. 640.2 P600

4996 Household economics. A course of lectures in the School of Economics of the University of Wisconsin. xxi,286 p. O. New York: G. P. Putnam's Sons, 1897.

640 Domestic Economy

Conn, Herbert William, 1859– 589.9 Q300

65595 Bacteria, yeasts, and molds in the home, by H. W. Conn . . . . Boston and London, Ginn & Co., 1903.

vi, 293 p. illus., diagrs. 19cm.

Laughlin, Clara Elizabeth, 1873– , *ed.* 640.2 Q600

62385 The complete hostess; edited by Clara E. Laughlin. New York, D. Appleton and Co., 1906.

xiii, 321 p. front., 15 pl. 19½cm.

Contents. — Informal entertaining in the home, by C. E. Laughlin and P. Leonard. — Formal entertaining in the home, by C. E. Laughlin and P. Leonard. — Outdoor entertainments, by P. Leonard. — Children's parties, by E. K. Marble. — Entertainments for young people from twelve to seventeen years of age, by E. K. Marble. — Weddings, by C. E. Laughlin. — Wedding anniversaries, by E. K. Marble. — Cotillions and fancy-dress parties for adults and older young people, by S. C. Rippey. — Church entertainments, by Mrs. J. F. Kirk, jr. — Large public entertainments, by E. Kendall. — Entertaining congresses, federated clubs, etc., by P. Leonard. — Clubs, by P. Leonard. — Hostess and guest, by C. E. Laughlin and E. K. Marble. — School exhibitions and exercises, by Mrs. J. F. Kirk, jr. — Calls, cards, invitations, etc., by P. Leonard.

Parloa, Maria, 1843– 640.2 Q602

68759 . . . Home economics; a guide to household management, including the proper treatment of the materials entering into the construction and the furnishing of the house, by Maria Parloa . . . . [New and enlarged edition.] New York, The Century Co., 1906.

xii, [2], 416 p. illus. 19½cm.

Richards, Ellen Henrietta, [*born* **Swallow**], 640.2 P700

10149 & **Elliott, S. Maria.**

The chemistry of cooking and cleaning. A manual for housekeepers. Second edition, revised and rewritten. vi,[2],158 p. D. Boston: Home Science Publishing Co., 1897.

640.973 Hotels

Official hotel red book. 640.973 1

27111 b The Official hotel red book and directory. Containing a complete and reliable list of the best hotels in the United States and Canada, including summer and winter resorts; also a list of hotels in London, and other foreign cities. . . . . New York City, Official Hotel Red Book and Directory Co., c1896–c1908.

1896, 1900, 1904, 1908. 4 vol. illus. 24cm.

1896, 1900 title reads: Hotel red book. United States official hotel directory. . . . .

641 Cooking

Abel, *Mrs.* **Mary Hinman.** 641 P004

9977 Practical, sanitary and economic cooking adapted to persons of moderate and small means. The Lomb prize essay. Inscription: "The five food principles, illustrated by practical recipes." x, [2],186 p. D. Rochester: American Public Health Association, 1890.

Atkinson, Edward. 641 P501 641 Cooking

5156 The science of nutrition. Treatise upon the science of nutrition. The Aladdin oven, invented by Edward Atkinson. . . . . Dietaries carefully computed under the direction of Mrs. Ellen H. Richards. . . . . Nutritive values of food materials, collated from the writings of Prof. W. O. Atwater. . . . . [Fourth edition.] . . . . 246 p. il. 1 pl. sq.O. Boston: Damrell & Upham, 1896.

Farmer, Fannie Merritt, 1857– 641 Q415

62383 The Boston cooking-school cook book. By Fannie Merritt Farmer . . . . Revised, with an appendix of three hundred recipes, and an addenda of one hundred recipes. Boston, Little, Brown, and Co., 1905, [1904].
xxx, 682 p. illus. 20cm.

Garrett, Theodore Francis, *editor.* L641 P801

21996 The encyclopædia of practical cookery: a complete dictionary of all pertaining to the art of cookery and table service. Illustrated by Harold Furniss, George Cruikshank, W. Munn Andrew, and others. Edited by Theodore Francis Garrett. Assisted by William A. Rawson . . . and other distinguished chefs de cuisine . . . . 4 vol. il. pl. por. sq.Q. Hyde Park, Mass., U. S. A.: G. T. King, [1898].

Jago, William. 641 P502

5291 A text-book of the science and art of bread-making; including the chemistry and analytic and practical testing of wheat, flour, and other materials employed in baking. 11,648 p. 81 il. 14 pl. O. London: Simpkin, . . . , Kent & Co., 1895.

Ronald, Mary. 641 P500

3600 The Century cook book. . . . . xiv,[2],588 p. 60 pl. O. New York: Century Co., 1896.

Blyth, Alexander Wynter. 543.1 Q300 643 Food

50265 Foods: their composition and analysis. A manual for the use of analytical chemists and others. With an introductory essay on the history of adulteration. By Alexander Wynter Blyth . . . and Meredith Wynter Blyth . . . . Fifth edition, thoroughly revised, enlarged and rewritten. London, C. Griffin & Co., ltd., 1903.
xxv, 616 p. incl. illus., tables, diagrs. 5 pl. (incl. front.), fold. table. 23cm.

König, Joseph. 643 Q300

38181 Chemie der menschlichen Nahrungs- und Genussmittel. Von Dr. J. König, ... Vierte verbesserte Auflage. Mit in den Text gedruckten Abbildungen. Berlin, J. Springer, 1903–.
Vol. 1–. illus. 24½cm.

643 Food

Norton, *Mrs.* Mary Alice (Peloubet). **643 Q704**

68757 Food and dietetics, by Alice Peloubet Norton . . . . Chicago, American School of Home Economics, 1907.

[15]–227 (*i.e.* 231) p. incl. illus., tables. front., 4 pl. 20½cm. (*Added t.-p.*. The library of home economics . . . . [VI].)

Contains test questions.

"Bibliography," p. 181–187.

Richards, Ellen Henrietta (Swallow) **643 Q100**

63582 "*Mrs.* R. H. Richards."

The cost of food: a study in dietaries. By Ellen H. Richards . . . . First edition. . . . . New York, J. Wiley & Sons; London, Chapman & Hall, ltd., 1901.

[iii]–v, 161 p. 19cm.

"Bibliography," p. 155–158.

Springsteed, Anne Frances. **643 P400**

3560 The expert waitress: a manual for the pantry, kitchen, and dining-room. [8],131 p. S. New York: Harper & Brothers, c. 1894.

Wiley, Harvey Washington, 1847– **643 Q700**

68756 Foods and their adulteration; origin, manufacture, and composition of food products; description of common adulterations, food standards, and national food laws and regulations, by Harvey W. Wiley . . . . With eleven colored plates and eighty-six other illustrations. Philadelphia, P. Blakiston's Son & Co., 1907.

xii, 625 p. incl. illus., tables. 11 col. pl. 24½cm.

645 Furniture

Cook, Clarence [Chatham]. **645 N700**

13962 The house beautiful. Essays on beds and tables, stools and candlesticks. 336 p. 99 il. O. [New York]: C. Scribner's Sons, 1895, c. 1877.

Eastlake, Charles Lock, *Architect.* **749 E13**

595 Hints on household taste in furniture, upholstery and other details. Third edition (revised). xviii,306 p. il. 32 pl. O. London: Longmans, Green, & Co., 1872.

French, Lillie Hamilton, 1854– **645 Q303**

65594 Homes and their decoration, by Lillie Hamilton French . . . . New York, Dodd, Mead and Co., 1903.

xvi, 430 p. front., illus., 31 pl. 22cm.

See also **749** Decorative arts.

646 Clothing

Cole, George Snow. **677 Q004**

26641 Cole's Encyclopedia of dry goods. A reference book for the wholesale and retail dry goods trade of the United States, containing a descriptive list of all the standard fabrics, . . . and a full description of the processes of carding, spinning, weaving, bleaching, dyeing and printing. New edition, revised and enlarged. 640 p. il. O. New York: Root Newspaper Association, 1900.

Davis, Jeanette E., & Holahan, Cora M. 646 P400 645 Clothing

3620 The elements of modern dressmaking: for the amateur and professional dressmaker. xii,193 p. 46 il. 1 pl. D. New York: Cassell Publishing Co., c. 1894.

Dillmont, Thérèse de. 746 D58

6214 Encyclopedia of needlework. English edition. . . . . [4],578 p. 890 il. O. [18--].

Ortner, Jessica. 646 P702

8517 Practical millinery. xii,170 p. 46 il. D. London: Whittaker & Co., 1897.

Steele, Frances Mary, & 646 P200

17684 **Adams, Elizabeth Livingston Steele.**

Beauty of form and grace of vesture. [2],vii,231 p. il. 16 pl. paged in. D. New York: Dodd, Mead & Co., 1894.

Salmon, Lucy Maynard. 331.8 Q100 647 Servants

28722 Domestic service. Second edition, with an additional chapter on domestic service in Europe. xxvii,338 p. O. New York: Macmillan Co., 1901.

"Bibliography. Full titles of works referred to in the text," p. 317–322.

Pope, Amy Elizabeth. 649 Q701 649 Nursing

68763 Home care of the sick, by Amy Elizabeth Pope . . . . Chicago, American School of Home Economics, 1907.

[14], 190 (*i.e.* 196) p. illus. 20cm. (*Added t.-p.:* The library of home economics . . . . [IX].)

Contains test questions.

650
BUSINESS

American business and accounting encyclopaedia. L650.3 Q100

30319 The American business and accounting encyclopaedia. A standard reference book for accountants and business men, ... Compiled by E. H. Beach and W. W. Thorne. Commercial law department by A. E. Rouech. Second edition. [2],1090 p. il. 1 por. 8 tables. Q. Detroit, Michigan: Book-keeper Publishing Co., c. 1901.

Bryant, John Collins. 650.2 P100

9763 The business man's commercial law and business forms combined. A vade-mecum for the counting-house. Edited by the Hon. Geo. W. Clinton. Fourteenth edition.—Revised. 240,[2],57 p. 1 por. O. Buffalo, N. Y.: J. C. Bryant, 1897, c. 1891.

Colange, Leo de. L603 O001

5381 The American encyclopedia of commerce, manufactures, commercial law, and finance: . . . . 2 vol. paged continuously; vol. 1: vii,1–622 p.; vol. 2: [2],623–1141 p. 502 il. Q. Boston: Estes & Lauriat; vol. 1.: pref. 1881, vol. 2: c. 1880.

650 Business

Lewis, J. Slater. L670.2 P600

5953 The commercial organisation of factories. A handbook for the use of manufacturers, directors, auditors, engineers, . . . , etc. xxxvi,540 p. il. 2 tables, 3 tables in pocket. Q. London: E. & F. N. Spon, 1896.

Spalding, Hugh Mortimer. 347.7 Q300

41617 Encyclopædia of business law and forms . . . . Representing the study and decisions of most able lawyers and supreme judicial authorities. For all the states and Canada. With notes and authorities. By Hon. Hugh M. Spalding . . . . Revised edition. Philadelphia, Pa., P. W. Ziegler & Co., 1903.
[4], 702 p. 24cm.

Ware, Fabian. 370.9 Q103

65009 Educational foundations of trade and industry, by Fabian Ware . . . . London and New York, Harper & Brothers, 1901.
xiii, 300 p. 1 fold. table. 18½cm.

650.9 Directories of directors

Directory. 650.9773 1

45698 Directory of directors in the city of Chicago. Chicago, The Audit Company of New York, 1904–1906.
Vol. 4, 6, 1904, 1906. 20cm.

651 Office organization

Dicksee, Lawrence Robert, 1864– 651 Q601

63538 Office organisation and management including secretarial work, by Lawrence R. Dicksee . . . and Herbert E. Blain . . . . London, Sir I. Pitman & Sons, ltd., 1906.
vii, 298 p. incl. illus., tables, forms. forms (partly fold.) 22cm.
p. [ii], [iv], advertising matter.

653 Shorthand

Munson, James Eugene. 653.62 P800

26335 The art of phonography. A complete instructor in the best method of shorthand for all kinds of verbatim work, with the author's latest improvements. New, revised edition. . . . . xxii, 455 p. D. New York: G. P. Putnam's Sons, 1900.

Pitman, *Sir* **Isaac.** 653.61 Q100

31333 Isaac Pitman's shorthand instructor. An exposition of Isaac Pitman's system of phonography. (The standard system of the world.) Designed for class or self-instruction. Twentieth century edition. xiv,276 p. S. New York: I. Pitman & Sons, 1901.

Torrey, Bates. 653.52 Q200

50225 Instruction in practical shorthand; a simple and progressive arrangement of the essentials of Graham phonography by Bates Torrey . . . . Boston, D. C. Heath & Co., 1902.
303 p. 20cm.
"Preface to eighth edition," p. 3–4.

655
PRINTING

MacKellar, Thomas. 655.02 N800

876 The American printer: a manual of typography, ... [Eighteenth edition, . . . enlarged.] xiv,384 p. il. 1 por. O. Philadelphia: MacKellar, Smiths & Jordan, 1893.

[Pasko, Wesley Washington, *editor.*] L655.03 P400

52 American dictionary of printing and book-making, containing a history of these arts in Europe and America, with definitions of technical terms and biographical sketches. [2],iv,592 p. il. 1 por. sq. Q. New York: H. Lockwood & Co., 1894.

Putnam, George Haven & Putnam, J. B. 655.02 P700

18752 Authors and publishers. A manual of suggestions for beginners in literature. Comprising a description of publishing methods and arrangements, directions for the preparation of mss. for the press, explanations of the details of book-manufacturing, instructions for proof-reading, specimens of typography, the text of the United States copyright law and information concerning copyrights, together with general hints for authors. By G. H. P. and J. B. P. Seventh edition, rewritten with additional material. ix, [2],292 p. 1 facsim. O. New York: G. P. Putnam's Sons, 1897.

Southward, John, 1840–1902. L655.02 Q001

50226 Modern printing; a treatise on the principles and practice of typography and the auxiliary arts. By John Southward . . . . Assisted by well-known experts. London, Raithby, Lawrence & Co., ltd., 1900.

xiv, [vii]–viii, [2], 861, [15] p. front., illus., pl. (partly col.) port., diagr. (partly fold.) 25½cm.

Bouchot, Henri. L655.09 O600 655.09 History of the book

208 The printed book, its history, illustration, and adornment, from the days of Gutenberg to the present time. Translated and enlarged by Edward C. Bigmore. viii,312 p. 118 il. Q. London: H. Grevel & Co., 1887.

Davenport, Cyril James H , 1848– 655.09 Q800

65781 The book, its history and development. By Cyril Davenport . . . . Illustrated. New York, D. Van Nostrand Co., 1908.

vi, [2], 258 p. front., illus., facsims. 21cm. (*Half-title:* The "Westminster" series.)

655.09 History of the book

Pollard, Alfred William. 096 P300

135 Early illustrated books. A history of the decoration and illustration of books in the 15th and 16th centuries. xvi,256 p. 58 il. 1 facsim. O. [Books about books.] London: Kegan Paul, Trench, Trübner & Co., 1893.

655.0942 Directory of printers

Kelly's directory. L655.0942 1

62731 . . . . Kelly's directory of stationers, printers, booksellers, publishers, paper makers, &c., of England, Scotland and Wales, and the principal towns in Ireland, the Channel Islands and Isle of Man. . . . . London, Kelly's Directories, ltd., 1908.

Vol. 10, 1908. 26½cm.

655.1 History of printing

De Vinne, Theodore Low. 655.11 N600

2108 The invention of printing. A collection of facts and opinions descriptive of early prints and playing cards, the block-books of the fifteenth century, the legend of Lourens Janszoon Coster, of Haarlem, and the work of John Gutenberg and his associates. Second edition. 557 p. il. 1 pl. O. New-York: F. Hart & Co., 1878.

Duff, Edward Gordon. 655.1 P300

310 Early printed books. xii,219 p. 11 pl. O. [Books about books.] London: Kegan Paul, ... & Co., 1893.

655.2 Proof-reading

Smith, Adèle Millicent. 655.2 Q200

65480 Proof-reading and punctuation, by Adèle Millicent Smith . . . . Philadelphia, The author, 1902.

[2], xi, 181 p. front., 9 pl. 20cm.

655.3 Practical printing

Jacobi, Charles Thomas, *comp.* 655.3 Q500

50214 The printers' handbook of trade receipts, hints, and suggestions relating to letterpress and lithographic printing, bookbinding, stationary process work, etc. compiled by Charles Thomas Jacobi . . . Third edition, revised and enlarged. London, Charles Thomas Jacobi, 1905.

xi, 464 p. 19cm.

Jenkins, Harry, 1868– 777 J411

69301 Amstutz' hand-book of photoengraving; being an enlargement and revision of Jenkins' Manual of photoengraving, by N. S. Amstutz . . . . With supplementary chapters on the theory and practice of half-tone colorwork, by Frederick E. Ives and Stephen H. Horgan. Third edition. Chicago, The Inland Printer Company, 1907.

440 p. illus. (partly col.) incl. ports., tables. front. (port.) plates. (partly col.) 20cm.

Directory. L655.47 2 655.2 Bookselling

65316 Directory of booksellers, newsdealers and stationers in the United States and Canada. Third edition. Minneapolis, The H. W. Wilson Company, 1906.

[89] l. 27cm.
Printed on one side of leaf only.

International directory. 655.4 1

19562 The International directory of booksellers and bibliophile's manual. Including lists of the public libraries of the world, publishers, book collectors, learned societies and institutions, universities and colleges; also bibliographies of book and library catalogues, concordances, bookplates, etc., etc. Rochdale, London, [etc], 1894–1906.

Vol. 4–7, 1894–1906. 18½cm.
Edited by James Clegg.
Subtitle varies.

Putnam, George Haven. 655.44 P600

3624 Books and their makers during the Middle Ages. A study of the conditions of the production and distribution of literature from the fall of the Roman Empire to the close of the seventeenth century. 2 vol. O. New York: G. P. Putnam's Sons, 1896–1897.

Colles, William Morris, 1855– 655.6 Q601 655.6 Copyright

63537 Playright and copyright in all countries, showing how to protect a play or a book throughout the world. By William Morris Colles ... and Harold Hardy .... London, New York, Macmillan and Co., ltd., 1906.

xx, 275 p. 22cm.
"List of authorities," p. xix–xx.

Macgillivray, Evan James. 655.642 Q200

50176 A treatise upon the law of copyright in the United Kingdom and the dominions of the crown, and in the United States of America; containing a full appendix of all Acts of Parliament, international conventions, Orders in council, Treasury minute and acts of Congress now in force; by E. J. Macgillivray, LL.B. .... London, J. Murray, 1902.

xxxvi, 403 p. 24cm.
"Table of English, Scotch, Irish, Indian, and Colonial cases," p. xix–xxx. "Table of cases in the United States," p. xxxi–xxxvi.

Putnam, George Haven. 655.6 P600

1374 The question of copyright. Comprising the text of the copyright law of the United States, a summary of the copyright laws at present in force in the chief countries of the world, ... Second edition, revised, and with additional material. xxiv,[2],486 p. O. New York: G. P. Putnam's Sons, 1896.

656
TRANSPORTATION

Adams, Charles Francis, Jr. **656.0973 N800**

3139 Railroads: their origin and problems. [4],216 p. D. New York: G. P. Putnam's Sons, 1878.

American street railway. **L656.0973 3**

12573 American street railway investments. Published annually by the
a publishers of the Electric railway journal for the use of bankers, brokers, capitalists, investors, and street and interurban railway companies. New York, McGraw Publishing Company, c1894–.

Continued from vol. 1, 1894. illus., maps. 33½cm.

Subtitle varies.

Published as supplement to The Electric railway journal (formerly The Street railway journal).

Biographical directory. **656.092 B96**

4323 The Biographical directory of the railway officials of America. . . . . Chicago, Railway Age Co., 1885–1906.

Vol. 1–6, 1885–1906. fronts., ports. 22½cm.–24½cm.

1885, 1887, edited by E. H. Talbott & H. R. Hobart; 1893, 1896, 1901, 1906, by T. A. Busbey.

1893, 1896, published by the Railway Age and Northwestern Railroader.

Vol. 5, 1901, wanting.

Byers, Morton Lewis, 1868– **656.02 Q700**

62389 Economics of railway operation, by M. L. Byers . . . . New York, The Engineering News Publishing Company; [etc., etc.], 1908.

ix, 672 p. tables (partly fold.) diagrs. 24cm.

Cram, George F., *New York.* **A912 Q800**

60941 Cram's standard American railway system atlas of the world showing all the railway systems . . . , express companies . . . , and . . . banking towns . . . . Accompanied by a concise and original ready reference index of the United States, Canada, Mexico and Cuba, accurately locating all counties, county seats . . . , etc. Also giving the nearest post-office and railroad station for those towns that are neither a post-office nor a railroad station; latest available census figures . . . telegraph stations and steamboat lines and landings. . . . . New York, Chicago, G. F. Cram, 1908.

610, [32] p. incl. maps. 48 x 36cm.

Electric railway directory. **656.03 2**

22791 Electric railway directory and buyers' manual. . . . . New York, McGraw Publishing Company, c. 1899–.

Continued from vol. 2, 1899. 23 x 11½cm.–23½cm.

Vol. 2, no. 1–2, title reads: American street railway directory and buyer's manual; vol. 2, no. 3–vol. 6, no. 3, Powers' street railway directory and buyers' manual. A street railway list of the world for electrical, mechanical and financial reference. . . . ; vol. 2, no. 3–vol. 5, no. 2, has cover subtitle: A consolidation of the American street railway directory, "Railroad gazette's" electric railroad list of the world, Johnston's street railway directory, etc.

Vol. 6, no. 4–, published as supplement to American street railway investments in which no. 2 of each year is merged.

Vol. 2–6, no. 3, published by the E. L. Powers Company.

Hadley, Arthur Twining. 656.09 O500 656 Transportation

3090 Railroad transportation: its history and its laws. iv,[2],269 p. il. D. New York: G. P. Putnam's Sons, 1890, c. 1885.

Johnson, Emory Richard, 1864– 656.0973 Q401

61946 American railway transportation, by Emory R. Johnson .... Revised edition. New York, D. Appleton and Co., 1904.

xvi, 434 p. illus., maps, fold. chart. 20cm. (*Half-title:* Appletons' business series.)

References at end of chapters.

Contents. — Introduction: Definition and scope of transportation. — pt. 1. The American railway system. — pt. 2. The railway service. — pt. 3. The railways and the public. — pt. 4. The railways and the state.

McCain, Charles Curtice, *editor.* 656.04 M13

3489 Compendium of transportation theories. A compilation of essays upon transportation subjects by eminent experts. 295 p. O. (Kensington series, no. 1.) Washington, D. C.: Kensington Publishing Co., 1893.

Poor's manual. 656.051 2

5778 Poor's manual of the railroads of the United States, with an appendix containing a full analysis of the debts of the United States, the several states, municipalities, etc. Also statements of street railway and traction companies, industrial corporations, etc. Continued from vol. 1. 1868. maps. O. New York [1868–].

Vol. 1–26 are compiled by Henry V. Poor.

Vol. 1–27 published under the title: Manual of the railroads of the United States.

Vol. 21–27 contain Poor's directory of railway officials.

Travelers', shippers' and mail guide. L656.051 12

38065 The Travelers', shippers' and mail guide. Published every Monday .... Chicago, Collosky & Mattern.

Current numbers only. 32cm. With supplements.

Universal directory. 656.092 U58

30964 The Universal directory of railway officials, ... London, The Directory Publishing Company, ltd., 1901–[1907].

Vol. 7, 13, 1901, 1907. 21½cm.

Edited by S. Richardson Blundstone.

See also **385,** Economics of railroads; **625,** Railroad engineering.

Beeson's marine directory. L656.0977 1 656.9 Navigation

15623 Beeson's marine directory of the northwestern lakes. .... Continued from no. 11. 1898. il. pl. Q. Chicago c. 1898–.

No. 11–12 published under the title: Beeson's marine directory.

Blue book. L656.0973 10

20493 .... Blue book of American shipping. Marine [and] naval directory of the United States, ... statistics of shipping and ship building in America .... Cleveland, Ohio, Chicago, [etc.], [c1899–1905].

1899, 1902, 1905. 3 vol. illus., plates. 26½cm.

Subtitle varies.

1905: Tenth annual edition.

656.9 Navigation

Jeans, James Stephen. 626 P001

11412 Waterways and water transport in different countries: with a description of the Panama, Suez, Manchester, Nicaraguan, and other canals. xx,507 p. il. 4 pl. O. London: E. & F. N. Spon, 1890.

Knight, Austin Melvin. 656.9 Q100

30026 Modern seamanship. xii,428 p. 129 pl. 5 pl. of maps, 2 maps. O. New York: D. Van Nostrand Co., 1901.

"Weather and the laws of storms," p. 307–333.

Naval encyclopædia. L359.03 O001

16267 A naval encyclopædia: comprising a dictionary of nautical words and phrases; biographical notices, and records of naval officers; special articles on naval art and science, written ... by officers and others of recognized authority in the branches treated by them. Together with descriptions of the principal naval stations and seaports of the world. 1017 p. il. Q. Philadelphia: L. R Hamersly & Co., 1881.

Nordenskiöld, Adolf Erik, *Friherre.* A910.9 P701

22137 Periplus. An essay on the early history of charts and sailing-directions. Translated from the Swedish original by Francis A. Bather. x,208 p. 100 il. 60 maps. F[6]. Stockholm: P. A. Norstedt & Söner, 1897.

With bibliographical notes.

Patterson, Howard. L656.9 Q101

30459 Patterson's Illustrated nautical encyclopedia. From keel to truck. From stem to sternpost. From zenith to nadir. From bedplate to funnel. From torpedo boat to battle ship. .... (Revised and enlarged edition.) 514 p. 500 il. 1 por. paged in. Q. Cleveland, O.: Marine Review Pub. Co., c. 1901.

Shipping world. 656.9 5

56432 The "Shipping world" year book: a desk manual in trade, commerce, and navigation. .... London, "Shipping World" Office, 1907.

Vol. 21, 1907. 1 fold. map in pocket. 19[cm].
Edited by E. R. Jones.

U. S. A. *Navy Department. Bureau of Equipment.* L656.9 P905

31213 *Hydrographic Office. Division of Chart Construction.*

Tracks for full powered steam vessels with the shortest navigable distances in nautical miles. [Chart] no. 1262. 77x121 cm. Q. Washington, D. C., 1900.

See also **386–387,** Economics of water transportation; **626–627,** Hydraulic engineering

657-659
BOOKKEEPING — ADVERTISING

American business and accounting encyclopaedia. **L650.3 Q100** 657 Accounting

30319 The American business and accounting encyclopaedia. A standard reference book for accountants and business men, ... Compiled by E. H. Beach and W. W. Thorne. Commercial law department by A. E. Rouech. Second edition. [2],1090 p. il. 1 por. 8 tables. Q. Detroit, Michigan: Book-keeper Publishing Co., c. 1901.

Arnold, Horace Lucian. **657.967 P900**

56602 The complete cost-keeper. Some original systems of shop cost-keeping or factory accounting together with an exposition of the advantages of account keeping by means of cards instead of books, and a description of various mechanical aids to factory accounting. Now compiled for the first time by Horace Lucian Arnold (Henry Boland). (Third edition.) New York and London, The Engineering Magazine Press, 1903.
vii, 408, xi p. illus. 24cm.

Card, Fred Wallace, 1863– **630.2 Q701**

63543 . . . . Farm management, including business accounts, suggestions for watching markets, time to market various products, adaptation to local conditions, etc., by Fred W. Card . . . . New York, Doubleday, Page & Co., 1907.
xiii, 270 p. front., plates. 23cm. (The farm library.)
Plates printed on both sides.

Moore, John H **657 Q211**

50178 Accounting and business practice, for use in all schools where bookkeeping is taught, by John H. Moore ... and George W. Miner ... . Boston, Ginn & Co., 1902.
iii, 400 p. 24cm.

Rahill, John Joseph. **338.7 Q504**

61918 . . . . Corporation accounting and corporation law; a manual of corporate organization and management. Accounting in theory and practice. Banking, with special reference to the national banking system, and a treatise on stock exchanges, by J. J. Rahill . . . . An appendix on the California examinations for C. P. A. certificates, with a full set of questions and answers, by Alfred G. Platt . . . . [1906 edition. Revised and enlarged.] Fresno, Cal., The author, 1906.
443, [9] p. 23½cm.

657.1 Auditing

Dicksee, Lawrence Robert, 1864– 657.02 Q501

62013 Auditing; a practical manual for auditors, by Lawrence R. Dicksee ... edited by Robert H. Montgomery .... Authorized American edition. New York, 1905.
385 p. 24cm.

658 Business manuals

Cromwell, John Howard. 658 P900

23424 The American business woman. A guide for the investment, preservation, and accumulation of property; containing full explanations and illustrations of all necessary methods of business. xii,[2],428 p. O. New York: G. P. Putnam's Sons, 1900.

Norman, John Henry. 332.45 P701

17981 Norman's universal cambist. A ready reckoner of the world's foreign and colonial exchanges of seven monetary and currency intermediaries. ... , Being the second edition of the author's Ready reckoner of the exchanges of gold and silver issued in 1893. xxix,269 p. 3 tables. O. London: E. Wilson, 1897.

Parsons, Theophilus. 347.7 P300

15261 Laws of business for all the states and territories of the Union and the Dominion of Canada. With forms and directions for all transactions and abstracts of the laws of all the states and territories on various topics. New revised edition. 864,[4] p. O. Syracuse, N. Y.: W. Gill, 1897.

Roe, Edward Thomas. 658 Q401

50170 Safe methods; or, How to do business; business law, facts and forms, penmanship and correspondence, tables, short cuts and ready reckoner, the essence of volumes in a nutshell, by E. T. Roe ... assisted by noted specialists in every department. Atlanta, Chicago, [etc.], Hertel, Jenkins & Co., [1904].
480 p. illus. 19cm.

659 Advertising

Scott, Walter Dill. 659 Q300

69302 The theory of advertising; a simple exposition of the principles of psychology in their relation to successful advertising, by Walter Dill Scott ... . Boston, Small, Maynard & Co., 1903.
xii, 240 p. illus., diagrs. 21cm.

660
CHEMICAL TECHNOLOGY

Allen, Alfred Henry, 1847–1904. **543.02 P204**

12568 Commercial organic analysis. A treatise on the properties, proximate analytical examination, and modes of assaying the various organic chemicals and products employed in the arts, manufactures, medicine, with concise methods for the detection and determination of their impurities, adulterations, and products of decomposition by Alfred H. Allen, ... Volume 1–[IV]. . . . . Philadelphia, P. Blakiston's Son & Co., 1892–1907.

4 vol. in 8. illus. 23cm.

Contents. — vol. 1. Introduction, alcohols, neutral alcoholic derivatives, sugars, starch and its isomers, vegetable acids, &c. Third edition, illustrated, with revisions and addenda by the author and Henry Leffmann. 1898. xii, 17–557 p. illus., 1 pl. — vol. 2. pt. 1. Fixed oils, fats, waxes, glycerol, nitroglycerin and nitroglycerin explosives. Third edition, illustrated. With revisions and addenda by the author and Henry Leffmann. 1899. x, 17–387 p. 15 illus. pt. 2. Hydrocarbons, petroleum, and coal-tar products, asphalt, phenols and creosotes. Third edition, illustrated. With revisions and additions by the author and Henry Leffmann. 1900. viii, 17–330 p. 17 illus. pt. 3. Acid derivatives of phenols, aromatic acids, resins, and essential oils. Third edition, revised by the author and Arnold Rowsby Tankard. 1907. xii, [2], 547 p. — vol. 3. pt. 1. Tannins, dyes, and coloring matters, writing inks. Third edition, rewritten and enlarged. Revised and edited by J. Merritt Matthews. 1900. [4, xi]–xvi, 17–589 p. 2 illus. pt. 2. Amines and ammonium bases, hydrazines, bases from tar, vegetable alkaloids. 1892. Second edition, revised and enlarged. viii, 584 p. pt. 3. Vegetable alkaloids (concluded), non-basic vegetable bitter principles, animal bases, animal acids, cyanogen and its derivatives. Second edition, revised and enlarged. 1896. xii, 508 p. 25 illus. — vol. 4. Proteids and albuminous principles, proteoïds or albuminoïds. Second edition, revised and enlarged. 1898. xi, [9]–584 p. 35 illus., 1 fold. diagr.

Bersch, Wilhelm. **660.2 Q001**

22636 Die moderne Chemie. Eine Schilderung der chemischen Grossindustrie. viii,952 p. il. 34 pl. O. Wien: A. Hartleben, 1900.

Blount, Bertram. **660.2 Q507**

63497 Chemistry for engineers and manufacturers. A practical textbook. By Bertram Blount, ... and A. G. Bloxam, ... With illustrations. Volume 1–[II]. . . . . London, C. Griffin and Co., ltd., 1896–1905.

2 vol. 21½cm.–22cm.

"Bibliography," vol. 2, p. 467–470.

Contents. — vol. 1. Chemistry of engineering, building, and metallurgy. 1896. x, 244 p. 35 illus. — vol. 2. Chemistry of manufacturing processes. Second edition. 1905. xv, 513 p. 46 illus.

Böckmann, Friedrich, *editor.* **543.02 P300**

12516 Chemisch-technische Untersuchungsmethoden der Gross-Industrie, der Versuchsstationen und Handelslaboratorien. . . . . Dritte vermehrte und umgearbeitete Auflage. 2 vol. il. O. Berlin: J. Springer, 1893.

660 Chemical technology

Cohn, Lassar, 1858– **660.2 Q508**

53499 Chemistry in daily life. Popular lectures by Dr. Lassar-Cohn .... Translated by M. M. Pattison Muir, ... With 22 woodcuts in the text. Third edition, revised and augmented. London, H. Grevel & Co., 1905.

xii, 340 p. 22 illus. 19cm.

Dammer, Otto. **660.2 P501**

7124 Handbuch der chemischen Technologie. .... 5 vol. il. O. Stuttgart: F. Enke, 1895–1898.

Fischer, Ferdinand. **660.2 Q003**

26893 Handbuch der chemischen Technologie. Von Dr. Ferdinand Fischer .... 4. bez. 15. umgearbeitete Auflage. 1.–[2.] Band. .... Leipzig, O. Wigand, 1900–1902.

2 vol. 830 diagr. 24cm.

No. 2 title reads: 15. umgearbeitete Auflage. 1. bis 11. Auflage von R. von Wagner.

Groves, Charles Edward, *ed.* **L660.2 O900**

5003 Chemical technology; or, Chemistry in its applications to arts and manufactures, edited by Charles Edward Groves, F.R.S. ... and William Thorp, B.SC. With which is incorporated Richardson and Watts' Chemical technology. .... London, J. & A. Churchill, 1889–.

Vol. 1–. 25cm.

Vol. 4– edited by W. J. Dibdin.

Johnston, James Finlay Weir. **660.2 N900**

13087 The chemistry of common life. A new edition revised, and brought down to the present time by Arthur Herbert Church. xxvi,592 p. 102 il. O. New York: D. Appleton & Co., 1898, pref. 1879.

Lunge, Georg, 1839– , *ed.* **543.02 Q404**

62021 Chemisch-technische Untersuchungsmethoden. Mit Benutzung der früheren von Dr. Friedrich Böckmann bearbeiteten Auflagen, und unter Mitwirkung von E. Adam, F. Barnstein, [u. a.] ... herausgegeben von Dr. Georg Lunge ... Fünfte vollständig umgearbeitete und vermehrte Auflage. Berlin, J. Springer, 1904–1905.

3 vol. illus., plates, tables. 24cm. *and* 3 suppl. (tables) 23cm.

The tables appear twice, once in the text and again in a special supplement (printed on one side of leaf only) accompanying each volume.

Short bibliographies on special subjects with some of the chapters.

Post, Julius, *editor.* **543.02 O803**

17726 Chemisch-technische Analyse. Handbuch der analytischen Untersuchungen zur Beaufsichtigung des chemischen Grossbetriebes und zum Unterrichte. .... Zweite vermehrte und verbesserte Auflage. 2 vol. il. pl. O. Braunschweig: F. Vieweg & Sohn, 1888–1891.

Stillman, Thomas Bliss, 1852– **543.02 Q500** 660 Chemical technology

62007 Engineering chemistry; a manual of quantitative chemical analysis, for the use of students, chemists & engineers. Third edition. By Thomas B. Stillman .... With one hundred & thirty-nine illustrations. Easton, Pa., Chemical Publishing Co., 1905.
6, [v]–xxii, 597 p. illus., diagrs. 23½cm.

Thorp, Frank Hall. **660.2 Q504**

61999 Outlines of industrial chemistry; a text-book for students, by Frank Hall Thorp .... Second edition, revised and enlarged and including a chapter on metallurgy by Charles D. Demond .... New York, London, The Macmillan Company, 1905.
xxv, 618 p. diagrs. 22½cm.
Contains "References."

Ulzer, Ferdinand, & Fraenkel, A. **543.02 P705**

18254 Introduction to chemical-technical analysis. (Authorized translation), with appendix by the translator, Hermann Fleck. vii, 188 p. 13 il. O. Philadelphia: P. Blakiston's Son & Co., 1898.

Wagner, Rudolph von. **L660.2 O800**

4336 Manual of chemical technology, translated and edited by William Crookes, from the thirteenth enlarged German edition as remodelled by Dr. Ferdinand Fischer. xxiii,968 p. 596 il. Q. New York: D. Appleton & Co., 1895.

Bersch, Josef, 1840– , *ed.* **L660.3 Q800** 660.3 Dictionaries

61787 Chemisch-technisches Lexikon. Eine Sammlung von mehr als 17.000 Vorschriften für alle Gewerke und technischen Künste. Herausgegeben von den Mitarbeitern der "Chemisch-technischen Bibliothek". Redigiert von Dr. Josef Bersch. Zweite, neu bearbeitete und verbesserte Auflage. Mit 88 Abbildungen. Wien und Leipzig, A. Hartleben, [1908?].
[8], 951 p. 88 illus. 25½cm.

Harris, William A. **660.3 O900**

4991 A technological dictionary of insurance chemistry. xi,407 p. D. Liverpool: published by the author at the Phœnix Fire Office, 1890.

Muir, Matthew Moncrieff Pattison, **540.3 O800**

1201 & **Morley, H. Forster,** *editors.*
Watts' dictionary of chemistry, revised and entirely rewritten .... [With addenda.] 4 vol. il. O. London: Longmans, Green, & Co., 1890–1894.
Vol. 1: second edition; vol. 3: new edition.

660.3 Dictionaries of chemical technology

Neues Handwörterbuch. **540.3 N100**

13182 Neues Handwörterbuch der Chemie. Auf Grundlage des von Liebig, Poggendorff und Wöhler, Kolbe und Fehling herausgegebenen Handwörterbuchs der reinen und angewandten Chemie und unter Mitwirkung von mehren Gelehrten bearbeitet .... Vol. 1–. il. O. Braunschweig: F. Vieweg & Sohn, 1874–.

Vol. 1–3 edited by Herman von Fehling; vol. 4– by Carl Hell.

Stohmann, Friedrich, & Kerl, Bruno, *editors.* **L660.3 O800**

5606 Encyklopädisches Handbuch der technischen Chemie. Vierte Auflage. .... Vol. 1–. il. Q. Braunschweig: F. Vieweg & Sohn, 1888–.

Has also a title-page reading: Muspratt's theoretische, praktische und analytische Chemie in Anwendung auf Künste und Gewerbe.

Vol. 6– read: Begonnen von F. Stohmann und Bruno Kerl. ... Herausgegeben von H. Bunte.

Thorpe, Thomas Edward, *editor.* **660.3 P100**

1200 A dictionary of applied chemistry. .... 3 vol. il. O. London: Longmans, Green, & Co., 1893–1895.

Vol. 1: third edition, 1894. Vol. 2: second edition, 1895. Vol. 3: 1893.

Weidinger, G. **660.3 P101**

5995 G. Weidinger's Waarenlexikon der chemischen Industrie und der Pharmacie. Mit Berücksichtigung der wichtigsten Nahrungs- und Genussmittel. Unter Mitwirkung der Herren Dr. Med. Joseph Moeller, Dr. Hermann Thoms, K. Thümmel, herausgegeben von Dr. T. F. Hanausek. Zweite gänzlich umgearbeitete Auflage. .... iv,1000 p. O. Leipzig: G. H. Meyer, 1896, pref. 1891.

Wurtz, Adolphe. **L540.3 M800**

1739 Dictionnaire de chimie, pure et appliquée. Comprenant: la chimie organique et inorganique; la chimie appliquée à l'industrie, à l'agriculture et aux arts: la chimie analytique, la chimie physique et la minéralogie. 3 vol. in 5. il. pl. Q. Paris: Hachette & Cie, 1870–1878.

Wurtz, Adolphe. **L540.3 M800**

5929 Dictionnaire de chimie, pure et appliquée. .... Supplément. 2 vol. il. pl. Q. Paris: Hachette & Cie, [1880–1886].

Wurtz, Adolphe. **L540.3 M800**

9317 Deuxième supplément au Dictionnaire de chimie, pure et appliquée. Publié sous la direction de Ch. Friedel. .... Vol. 1–. il. Q. Paris: Hachette & c^ie^, 1892–.

660.6 Societies

Society of Chemical Industry. **L016.66 S678**

63699 Decennial index of the Journal of the Society of Chemical Industry. Vols. XV. to XXIV. 1896–1905. Part I. Authors' names. Part II. Subjects. This general collective index has been compiled by F. W. Renaut, under the supervision and control of a committee .... London, Vacher and Sons, [1907]–1908.

2 vol. in 1. 27½cm.

Another copy shelved with set has shelf number **660.6282 1 v.0**

Duncan, Robert Kennedy, 1868– **660.9 Q700** 660.9 History of chemical technology

65335 The chemistry of commerce; simple interpretation of some new chemistry in its relation to modern industry, by Robert Kennedy Duncan .... New York and London, Harper & Brothers, 1907.
xii, [4], 3–262, [2] p. front., 28 pl., 2 diagr. 21½cm.

Mückenberger, Rudolf. **660.9 1**

57799 .... Handbuch der chemischen Industrie der ausserdeutschen Länder. .... Berlin, R. Mückenberger, [1905].
Vol. 3, 1905. 25cm.
At head of title: Rudolf Mückenberger.
Added t.-p. in English and French.

Lunge, Georg, 1839– **661 P500** 661 Sulphuric acid and alkali

42659 A theoretical and practical treatise on the manufacture of sulphuric acid and alkali, with the collateral branches. By George Lunge, PH.D., ... Second edition, revised and enlarged. Volume 1–[III]. London, Gurney and Jackson, 1895–1903.
3 vol. in 4. diagrs., 1 table, 33 fold. diagrs. 23cm.
Vol. 1 is in third edition, published 1903.

Munroe, Charles Edward. **016.662 M92** 662.2 Explosives

2283 Index to the literature of explosives. 2 parts in 1 vol. O. Baltimore 1886–1893.

Booth, William Henry. **628.53 Q400** 662.6 Fuels

63545 Smoke prevention and fuel economy (based on the German work of E. Schmatolla) by Wm. H. Booth ... and John B. C. Kershaw, F. I. C. With seventy-five illustrations. London, A. Constable & Co., ltd., 1904.
194 p. illus. 22cm.
Rauchplage und Brennstoffverschwendung von Ernst Schmatolla, Hanover, 1902.

Gill, Augustus Herman, 1864– **545.7 Q200**

50243 Gas and fuel analysis for engineers. A compend for those interested in the economical application of fuel. Prepared especially for the use of students at the Massachusetts Institute of Technology. By Augustus H. Gill .... Third edition, revised and enlarged. .... New York, J. Wiley & Sons; London, Chapman & Hall, ltd., 1902.
v, [1], 109 p. illus., diagr. 19cm.

Kent, William. **621.18 Q100**

28709 Steam-boiler economy. A treatise on the theory and practice of fuel economy in the operation of steam-boilers. First edition. .... xiv,458 p. 134 il. 2 maps. O. New York: J. Wiley & Sons, 1901.
"Coal fields of the United States," p. 52–83.

662.6 Fuels

Martin, Edward Alfred. 553.2 P600

8393 The story of a piece of coal. What it is, whence it comes, and whither it goes. 168 p. 38 il. 1 pl. S. [Library of useful stories.] New York: D. Appleton & Co., 1896.

Nicolls, William Jasper. 553.23 P700

12205 The story of American coals. 405 p. 1 pl. O. Philadelphia: J. B. Lippincott Co., 1897.

Poole, Herman. 662.6 Q001

23274 The calorific power of fuels. With a collection of auxiliary tables, and tables showing the heat of combustion of fuels, solid, liquid and gaseous. To which is appended the report of the Committee on Boiler Tests of the American Society of Mechanical Engineers (December, 1899). Second edition, revised and enlarged. .... xvii,269 p. 40 il. O. New York: J. Wiley & Sons, 1900.

Thorpe, [Thomas Edward], *editor.* 553.2 N800

12125 Coal: its history and uses. By Professors Green, Miall, Thorpe, Rücker, and Marshall. xii,363 p. il. O. London: Macmillan & Co., 1878.

Contents: 1–2. The geology of coal. 3. Coal plants. 4. Animals of the coal measures. 5–6. The chemistry of coal. 7. Coal as a source of warmth. 8. Coal as a source of power. 9–10. The coal question.

662.7 Coke

Fulton, John, 1826- 662.7 Q500

62003 Coke. A treatise on the manufacture of coke and other prepared fuels and the saving of by-products, with special references to the methods and ovens best adapted to the production of good coke from the various American coals. By John Fulton .... Scranton, Pa., International Textbook Company, 1905.

xiv, 476, xv–xxii p. front. (port.) illus., diagrs. (partly fold.) 23½cm.

National. 622.0973 4

42555 National iron and steel, coal and coke blue book. An authentic and concise list of firms, corporations and individuals, engaged in the production of iron and steel, coal and coke, in the United States. The plants or mines operated, their location, description, equipment, etc. .... Pittsburg, Pa., R. L. Polk & Co., [c1902–c1907]

Vol. 1–3, 1902–1907. 21½cm.–24½cm.
Vol. 1–2 edited by B. H. Morwood.

663 Beverages. Fermentation

Crole, David. 633.286 P700

9298 Tea. A text book of tea planting and manufacture. Comprising chapters on the history and development of the industry, the cultivation of the plant, the preparation of the leaf for the market, the botany and chemistry of tea, etc., etc. With some account of the laws affecting labour in tea gardens in Assam and elsewhere. xii,242 p. il. 4 pl. O. London: C. Lockwood & Son, 1897.

663 Beverages. Fermentation

Hansen, Emil Christian. 663.1 P500

4329 Practical studies in fermentation: being contributions to the life history of micro-organisms. Translated by Alex. K. Miller, and revised by the author. xiv,277 p. 19 il. O. London: E. & F. N. Spon, 1896.

Jörgensen, Alfred. 589.9 P801

24624 Micro-organisms and fermentation. Translated by Alex. K. Miller, & A. E. [*sic i.e. E. A.*] Lennholm. Third edition. Completely revised. xiii,[2],318 p. 83 il. O. London: Macmillan & Co., 1900.

"Bibliography," p. 277–318.

Sulz, Charles Hermann. 663.6 O800

17293 A treatise on beverages; or, The complete practical bottler. Full instructions for laboratory work with original practical recipes for all kinds of carbonated drinks, mineral waters, flavorings, extracts, syrups, etc. xxv,818 p. 428 il. O. New York: C. H. Sulz & Co., 1888.

Sykes, Walter John. 663.3 Q603

64550 The principles and practice of brewing, by Walter J. Sykes . . . . Third edition, thoroughly revised by the author and Arthur R. Ling . . . . London, C. Griffin and Co., ltd., 1907.

xviii, 588 p. illus. 23cm.

664 Foods

Brannt, William Theodore. 664 Q001

27059 A practical treatise on the manufacture of vinegar, with special consideration of wood vinegar and other by-products obtained in the destructive distillation of wood; the fabrication of acetates, cider, and fruit-wines; preservation of fruits and vegetables by canning and evaporation; preparation of fruit-butters, jellies, marmalades, pickles, mustards, etc. Preservation of meat, fish and eggs. Edited from various sources. Second edition. Revised, improved and enlarged. xxxi,555 p. 104 il. O. Philadelphia: H. C. Baird & Co., 1900.

Ware, Lewis S , 1851– 664.1 Q500

62014 Beet-sugar manufacture and refining. . . . . By Lewis S. Ware . . . . First edition. . . . . New York, J. Wiley & Sons; [etc., etc.], 1905–.

Vol. 1–. illus., diagrs. 23½cm.

Wiley, Harvey Washington, 1847– 643 Q700

88756 Foods and their adulteration; origin, manufacture, and composition of food products; description of common adulterations, food standards, and national food laws and regulations, by Harvey W. Wiley . . . . With eleven colored plates and eighty-six other illustrations. Philadelphia, P. Blakiston's Son & Co., 1907.

xii, 625 p. incl. illus., tables. 11 col. pl. 24½cm.

See also 543.1, Food analysis; 641–643, Domestic economy.

665 Oils

Andés, Louis Edgar. 655.2 P702

50227 Animal fats and oils, their practical production, purification and uses for a great variety of purposes, their properties, falsification and examination. A handbook for manufacturers of oil- and fat-products, soap and candle makers, agriculturists, tanners, etc., etc. By Louis Edgar Andés. With 62 illustrations. Translated by Charles Salter. London, Scott, Greenwood & Co., 1898.

xii, 240 p. front., illus. 22½cm.

Andés, Louis Edgar. 665.3 Q101

39087 Drying oils, boiled oil, and solid and liquid driers. A practical work for manufacturers of oils, varnishes, printing inks, oil-cloth and linoleum, oil-cakes, paints, etc. By Louis Edgar Andés, ... 42 illustrations in the text. London, Scott, Greenwood & Co., 1901.

xiv, 342 p. 42 diagrs. 22cm.

Andés, Louis Edgar. 665.3 P600

20368 Vegetable fats and oils. Their practical preparation, purification and employment for various purposes, their properties, adulteration and examination. A handbook for . . . the oil and fat industry in general. Translated by Charles Salter. xv,316 p. 94 il. O. London: Scott, Greenwood, & Co., 1897.

Lewkowitsch, Julius. 543.02 Q406

50219 Chemical technology and analysis of oils, fats, and waxes, by Dr. J. Lewkowitsch . . . . Third edition, entirely rewritten and enlarged. London, New York, Macmillan and Co., ltd., 1904.

2 vol. illus., fold. tables. 23cm.

Paged continuously; vol. I: xvi, 427 p.; vol. II: xii, 429–1152 p.

Lewkowitsch, Julius. 543.02 Q103

33398 The laboratory companion to fats and oils industries. xi,147 p. O. London: Macmillan & Co., 1901.

Wright, Charles Rowley Alder, 1844–1894. 665 Q300

45795 Animal and vegetable fixed oils, fats, butters, and waxes: their preparation and properties, and the manufacture therefrom of candles, soaps, and other products. By C. R. Alder Wright, ... Second edition, edited and partly re-written by C. Ainsworth Mitchell, ... With 2 plates and 154 illustrations. London, C. Griffin & Co., ltd., 1903.

xvi, 804 p. front. (port.), 154 illus. incl. diagrs., 1 pl. 23cm. (*On cover:* Griffin's scientific text-books.)

Cover-title: Oils, fats, waxes, and their manufactured products.

Richardson, Clifford, 1856– 665.4 Q801 665 4 Asphalt

68276 The modern asphalt pavement, by Clifford Richardson .... Second edition, revised and enlarged. .... New York, J. Wiley & Sons; [etc., etc.], 1908.

ix, 629 p. incl. illus., tables, diagrs. 23½cm.

Redwood, *Sir* **Boverton,** 1846– 665.5 Q601 665.5 Petroleum

63512 Petroleum: a treatise on the geographical distribution and geological occurrence of petroleum and natural gas; the physical and chemical properties, production, and refining of petroleum and ozokerite; the characters and uses, testing, transport, and storage of petroleum products; and the legislative enactments relating thereto; together with a description of the shale oil and allied industries; and a full bibliography. By Sir Boverton Redwood .... Second edition, thoroughly revised and enlarged. .... London, C. Griffin & Co., ltd., 1906.

2 vol. fronts. (1 col.), illus., 29 fold. pl. (incl. maps), fold. tables. 23cm.
Paged continuously; vol. 1: xxxii, 528 p.; vol. 2: [2], 529–1064 p.
"Bibliography. Compiled by W. H. Dalton and L. V. Dalton," vol. 2, p. 889–1001.

Brown, Ernest C , *comp.* L628.0973 1 665.7 Gas

16309 Brown's Directory of American gas companies. Gas statistics. New York, press of "Progressive age", 1899–.

[1899]; continued from [1902]. 26cm.
[1899] called no. 8.

Butterfield, William John Atkinson. 665.7 Q401

46122 The chemistry of gas manufacture. A practical handbook on the production, purification, and testing of illuminating and fuel gas, and on the bye-products of gas manufacture. By W. J. Atkinson Butterfield, F.I.C., ... Third edition, with illustrations. .... London, C. Griffin and Co., 1904–.

Vol. 1–. diagrs. 20cm. (*On cover:* Griffin's scientific text-books.)

Latta, Marion Nisbet-. 665.7 Q700

63535 Hand-book of American gas-engineering practice, by M. Nisbet-Latta .... New York, D. Van Nostrand Company, 1907.

xi, 466 p. incl. illus., tables, diagrs. 22½cm.

Newbigging, Thomas. 665.7 Q404

57168 Handbook for gas engineers and managers. By Thomas Newbigging, ... Seventh edition, illustrated. London, W. King, 1904.

xvi, 584 p. illus., 1 fold. table. 20½cm.

665.7 Gas

Wyer, Samuel S , 1879– **665.7 Q600**

63536 A treatise on producer-gas and gas-producers, by Samuel S. Wyer . . . . New York, London, The Engineering and Mining Journal, 1906.

296 p. illus., diagrs. 24cm.

"Bibliography of gas-producers," p. 277–290.

"Parts of chapters 24, 26 and 30 were presented by the author as papers at the Washington, D. C., meeting of the A. I. M. E." — Pref.

665.8 Acetylene

Lewes, Vivian B. **665.801 Q003**

25133 Acetylene. A handbook for the student and manufacturer. xxvi, [2],977,[1] p. 228 il. O. Westminster: A. Constable & Co., 1900.

666.1 Glass

Nesbitt, Alexander. **666.1 N800**

4946 Glass. viii,143 p. il. O. [South Kensington Museum. Art handbooks.] New York: Scribner & Welford, 1879.

Rosenhain, Walter. **666.1 Q800**

64565 Glass manufacture. By Walter Rosenhain, ... London, A. Constable & Co., ltd., 1908.

xvi, 264 p. 14 illus. 21cm. (*Half-title:* The "Westminster" series.)

"Bibliography," p. [253]–255.

666.2 Enamel

Cunynghame, Henry Hardinge. **738.26 C911**

29489 On the theory and practice of art-enamelling upon metals. Second edition. xxiv,183,[1] p. il. 11 pl. paged in, 2 colored pl. D. Westminster: A. Constable & Co., 1901.

666.3 Ceramics

Bourry, Émile. **L666.3 P700**

32001 Treatise on ceramic industries. A complete manual for pottery, tile and brick works. Translated from the French by Wilton P. Rix. ix,[3],759 p. 323 il. Q. London: Scott, Greenwood & Co., 1901.

See also **738**, Ceramics.

666.4 Clays

Ries, Heinrich. **553.61 Q600**

61935 Clays, their occurrence, properties, and uses, with especial reference to those of the United States, by Heinrich Ries . . . . First edition. . . . . New York, J. Wiley & Sons; [etc., etc.], 1906.

xvi, 490 p. incl. illus., XLIV pl., diagrs. 23½cm.

Contains "References."

666.7 Bricks

Davis, Charles Thomas. **666.7 O900**

4838 A practical treatise on the manufacture of bricks, tiles, terra-cotta, etc. . . . , including full detailed descriptions of the most modern machines, tools, kilns, and kiln roofs used. Second edition, . . . revised. xxxi,501 p. 217 il. 2 pl. O. Philadelphia: H. C. Baird & Co., 1889.

Directory. 666.9 I 666.9 Cements

28911 Directory of American cement industries. . . . . Indianapolis, Ind., New York, N. Y., Municipal Engineering Company, 1901–.

Continued from vol. 1, 1901. tables. 22cm.

Vol. 1–2 title reads: Directory of American cement industries and Handbook for cement users.

Vol. 3– published without the Handbook the third edition of which has shelf number **691.5 Q500**

Vol. 3 wanting.

Eckel, Edwin Clarence, 1875– 666.9 Q500

62008 Cements, limes, and plasters; their materials, manufacture, and properties, by Edwin C. Eckel . . . . First edition. . . . . New York, J. Wiley & Sons; [etc., etc.], 1905.

xxxiv, 712 p. illus., double maps, diagrs. (1 double). 23½cm.

See also **691.5,** Building construction.

Hummel, John James. 667.2 O500 667.2 Dyeing

5019 The dyeing of textile fabrics. . . . . xii,534 p. 97 il. S. [Manuals of technology.] London: Cassell & Co., 1896, pref. 1885.

Hurst, George H. L667.26 P600

4977 Dictionary of the coal tar colors. Second edition, revised and enlarged. [4],vii,212 p. Q. London: Heywood & Co., 1896.

Rawson, Christopher. 667.25 Q100

63534 A dictionary of dyes, mordants, and other compounds used in dyeing and calico printing. By Christopher Rawson ... Walter M. Gardner ... and W. F. Laycock . . . . London, C. Griffin & Co., ltd.; Philadelphia, J. B. Lippincott Company, 1901.

[6], 372 p. 23cm.

Mitchell, Charles Ainsworth, 1867– 667.4 Q401 667.4 Inks

63533 Inks: their composition and manufacture; including methods of examination and a full list of English patents; by C. Ainsworth Mitchell ... and T. C. Hepworth. With 46 illustrations, including 4 plates. London, C. Griffin & Co., ltd., 1904.

xiv, 251 p. illus., 4 pl. (incl. front., facsims.) 20cm.

Hurst, George H. 667.6 Q100 667.6 Paints

28853 Dictionary of chemicals and raw products used in the manufacture of paints, colours, varnishes and allied preparations. vi,[2], 382 p. O. London: Scott, Greenwood & Co., 1901.

Paint. 667.6 Q404

61978 Paint and varnish facts and formulæ; a hand book for the maker, dealer and user of paints and varnishes. Newark, N. J., Central Publishing Company, [1904].

[22], 179 p. 22cm.

667.6 Paints

Sabin, Alvah Horton, 1851– **667.6 Q402**

63580 The industrial and artistic technology of paint and varnish. By Alvah Horton Sabin .... First edition. .... New York, J. Wiley & Sons; London, Chapman & Hall, ltd., 1904.
vi, 372 p. front., illus., plates. 23½cm.

Zerr, Georg. **667.6 Q800**

66082 A treatise on colour manufacture. A guide to the preparation, examination, and application of all the pigment colours in practical use. By George Zerr and Dr. R. Rübencamp. Authorized English edition by Dr. Charles Mayer. With numerous illustrations and tables. London, C. Griffin and Co., ltd.; Philadelphia, J. B. Lippincott Company, 1908.
xiii, [2], 605 p. incl. 106 illus., tables. 23cm.

See also 698.1, Painting.

667.7 Varnishes

Brannt, William Theodore. **667.7 P300**

4509 Varnishes, lacquers, printing inks and sealing-waxes: their raw materials and their manufacture. To which is added the art of varnishing and lacquering, including the preparation of putties and of stains for wood, ivory, bone, horn, and leather. xix,338 p. 39 il. O. Philadelphia: H. C. Baird & Co., 1893.

668 Glues

Standage, H C **668 Q700**

59901 Agglutinants of all kinds for all purposes required by architects, artists, builders, [etc.]. By H. C. Standage, ... London, A. Constable & Co., ltd., 1907.
vi, 267 p. 22cm.

668.1 Soap

Carpenter, William Lant. **668.1 P500**

5011 A treatise on the manufacture of soap and candles, lubricants and glycerin. Second edition, revised and enlarged by Henry Leask. x,[2],446 p. 104 il. D. London: E. & F. N. Spon, 1895.

Lamborn, Leebert Lloyd. **668.1 Q602**

62029 Modern soaps, candles and glycerin; a practical manual of modern methods of utilization of fats and oils in the manufacture of soaps and candles, and of the recovery of glycerin, by Leebert Lloyd Lamborn .... New York, D. Van Nostrand Company; [etc., etc.], 1906.
xx, 688 p. incl. front., illus., plates, diagrs. 24cm.

Deite, Carl, 1838– 668.5 P203 668.5 Perfumery

55363 A practical treatise on the manufacture of perfumery: comprising directions for making all kinds of perfumes, sachet powders, fumigating materials, dentifrices, cosmetics, etc., ... , including the manufacture of fruit ethers, and tests of their purity. By Dr. C. Deite assisted by L. Borchert, F. Eichbaum, E. Kugler, H. Toeffner, ... From the German by William T. Brannt, ... Illustrated by twenty-eight engravings. Philadelphia, H. C. Baird & Co., 1892.

xx, [17]–358 p. 28 illus. 19cm.

Parry, Ernest John. 668.5 P901

22014 The chemistry of essential oils and artificial perfumes. viii,411 p. 20 il. O. London: Scott, Greenwood & Co., 1899.

Piesse, Charles Henry. 668.5 P100

5417 Piesse's art of perfumery and the methods of obtaining the odours of plants. The growth and general flower farm system of raising fragrant herbs. .... Fifth edition. xvii,498 p. il. 1 pl. O. London: Piesse & Lubin, 1891.

Lunge, Georg. 668.7 Q001 668.7 Coal tar

28150 Coal-tar and ammonia. Third and enlarged edition. xvi,929 p. 285 il. O. London: Gurney & Jackson, 1900.

Blount, Bertram. 537.85 Q002 669 Metallurgy

28940 Practical electro-chemistry. xi,373,[1] p. il. O. Westminster: A. Constable & Co., 1901.

Borchers, Wilhelm *i.e.* **Johannes Albert Wilhelm,** 537.85 Q401

63528 1856–

Electric smelting and refining: the extraction and treatment of metals by means of the electric current. By Dr. W. Borchers. Translated from the third German edition, with additions, by Walter G. McMillan .... Second English edition. With 4 plates and numerous illustrations in the text. London, C. Griffin and Co., ltd., 1904.

xxiii, 562 p. illus., IV pl. (partly fold.), diagrs. 22cm.

McMillan, Walter G. 537.85 P901

22711 A treatise on electro-metallurgy: embracing the application of electrolysis to the plating, depositing, smelting, and refining of various metals, and to the reproduction of printing surfaces and art-work, etc. Second edition. Revised and enlarged. xix, 440 p. 109 il. O. [Griffin's scientific text-books.] London: C. Griffin & Co., 1899.

669 Metallurgy

Roberts-Austen, *Sir* William Chandler, 1843–1902. **669.02 Q201**

50194 An introduction to the study of metallurgy. By Sir W. C. Roberts-Austen . . . . Fifth edition, revised and enlarged. . . . . London, C. Griffin and Co., ltd.; Philadelphia, J. B. Lippincott Company, 1902.

xv, 516 p. front., illus., fold. table, diagr. 22cm. [Griffin's metallurgical series.]
"One of a series of treatises written by associates of the Royal School of Mines."
Bibliographies at end of chapters v, ix, and xi.

Schnabel, Carl. **669.02 Q102**

49928 a Handbook of metallurgy, by Dr. Carl Schnabel, ... Translated by Henry Louis, ... Second edition. Vol. I–[II]. . . . . London, New York, Macmillan and Co., ltd., 1905–1907.

2 vol. 23cm.
Contents. — vol. 1. Copper, lead, silver, gold. 1905. xx, 1123 p. 715 illus. incl. diagrs. — vol. 2. Zinc, cadmium, mercury, bismuth, tin, antimony, arsenic, nickel, cobalt, platinum, aluminum. 1907. xvi, 867 p. 532 illus. incl. diagrs.

669.1 Metallurgy of iron and steel

American Iron and Steel Association. **669.1 1**

113 Directory to the iron and steel works of the United States. . . . . To which is added a complete list of the iron and steel works of Canada and Mexico. With supplements. Continued from [vol. 2. 1874.] O. Philadelphia 1874–.

First edition published in 1859, under the title: The iron manufacturer's guide to the furnaces, forges, and rolling mills of the United States; vol. 2–3, The ironworks of the United States. A directory . . . . The Canadian and Mexican lists were first added in vol. 11.
Vol. 3 is called Centennial edition.
Vol. 4 has no title-page.

Campbell, Harry Huse, 1859– **669.1 Q700**

69244 The manufacture and properties of iron and steel, by Harry Huse Campbell . . . . Fourth edition. New York and London, Hill Publishing Company, 1907.

xxvi, 639 p. incl. illus., plates, maps, tables, diagrs. 24cm.

Stoughton, Bradley, 1873– **669.1 Q800**

63979 The metallurgy of iron and steel, by Bradley Stoughton . . . . New York, London, Hill Publishing Company, 1908.

viii, 509 p. incl. illus., tables, diagrs. 24cm.

669.2 Metallurgy of gold

Eissler, Manuel. **669.2 Q002**

29215 The metallurgy of gold. A practical treatise on the metallurgical treatment of gold-bearing ores including the assaying, melting, and refining of gold. Fifth edition, enlarged and re-arranged. xxvi,638 p. 317 il. 46 pl. O. London: C. Lockwood & Son, 1900.

669.3 Metallurgy of copper

Peters, Edward Dyer, 1849– **669.3 Q700**

63980 The principles of copper smelting, by Edward Dyer Peters . . . . New York, [etc.], Hill Publishing Company, 1907.

ix, 612 p. incl. illus., tables, diagrs. 5 pl. (2 fold.) 24cm.

Collins, Henry Francis. 669.4 P900 669.4-.5 Metallurgy of lead and zinc

22853 The metallurgy of lead & silver. . . . . Being one of a series of treatises on metallurgy written by associates of the Royal School of Mines. Edited by Sir W. C. Roberts-Austen. 2 vol. il. pl. O. [Griffin's metallurgical series.] London: C. Griffin & Co., 1899–1900.

Ingalls, Walter Renton, 1865– 669.0973 Q800

65778 Lead and zinc in the United States; comprising an economic history of the mining and smelting of the metals and the conditions which have affected the development of the industries, by Walter Renton Ingalls . . . . New York, London, Hill Publishing Company, 1908.

[4], iii–x, 368 p. incl. illus., tables, diagrs. 3 pl. 24cm.

Ingalls, Walter Renton, *ed.* 669.4 Q600

69300 Lead smelting and refining, with some notes on lead mining; edited by Walter Renton Ingalls. New York and London, The Engineering and Mining Journal, 1906.

vii, 327 p. plates, diagrs. 24cm.

Chiefly reprinted from the Engineering and mining journal.

Ingalls, Walter Renton. 669.5 Q200

50184 Production and properties of zinc; a treatise on the occurrence and distribution of zinc ore, the commercial and technical conditions affecting the production of spelter, its chemical and physical properties and uses in the arts, together with a historical and statistical review of the industry, by Walter Renton Ingalls. First edition. New York and London, The Engineering and Mining Journal, 1902.

ix, 328 p. incl. illus., maps, diagr. pl. 23cm.

Richards, Joseph William. 669.703 P500 669.7 Metallurgy of aluminium

4529 Aluminium: its history, occurrence, properties, metallurgy and applications, including its alloys. Third edition, revised and enlarged. xv,666 p. 46 il. O. Philadelphia: H. C. Baird & Co., 1896.

Beringer, C., & Beringer, J. J. 669.9 Q001 669.9 Assaying

24661 A text-book of assaying: for the use of those connected with mines. Revised by J. J. Beringer. Sixth edition, revised and enlarged. xvi,456 p. il. D. [Griffin's metallurgical series.] London: C. Griffin & Co., 1900.

Furman, Howard Van Fleet. 669.9 P600

4322 A manual of practical assaying. Fourth edition, revised and enlarged. . . . . vi,437 p. il. O. New York: J. Wiley & Sons, 1896.

669.9 Assaying

Plattner, Karl Friedrich, 1800–1858. **544.3 Q200**

68256 Plattner's manual of qualitative and quantitative analysis with the blowpipe; translated by Henry B. Cornwall, ... assisted by John H. Caswell, ... Eighth edition revised after the sixth German edition, by Professor Friedrich Kolbeck, ... with eighty-seven woodcuts. New York, D. Van Nostrand Company, 1902.
xvii, 463 p. illus. 23½cm.

670 MANUFACTURES

Lewis, J. Slater. **L670.2 P600**

5953 The commercial organisation of factories. A handbook for the use of manufacturers, directors, auditors, engineers, ... , etc. xxxvi,540 p. il. 2 tables, 3 tables in pocket. Q. London: E. & F. N. Spon, 1896.

Thomas Publishing Co., *New York.* **670.973 5**

58214 .... Thomas' register of American manufacturers and first hands in all lines. The buyers guide. .... Issued annually. .... New York, Thomas Publishing Co., c1907.
Vol. 3, 1907/8. 24 x 9cm.

U. S. A. *Department of Commerce and Labor.* **L670.973 Q500**

63981 *Bureau of the Census.*

.... Manufactures, 1905 .... Washington, Gov't Print. Off., 1907.
2 vol. diagrs. 30cm.
At head of title: Department of Commerce and Labor. Bureau of the Census. S. N. D. North, director.
Binder's title: Special reports of the Census Office.
"The first census of the United States in which the canvass was confined to establishments conducted under what is known as the factory system, thus excluding the neighborhood and mechanical industries."
"The fieldwork ... the completion of the statistics, and the preparation of the text have been done under the supervision of Mr. William M. Steuart, chief statistician for manufactures."
Pt. I contains a summarization and an analysis of the statistics for the United States, by states, by industries, and by groups of industries.
Pt. II, Manufactures by states and territories, was first published in form of "Bulletins".

671 Metal manufacture

Bolland, Simpson. **671 P400**

2926 The encyclopedia of founding and dictionary of foundry terms, used in the practice of moulding. .... First edition. .... iv,535 p. D. New York: J. Wiley & Sons, 1894.

Brannt, William Theodore. **671 P004**

12058 The metal worker's handy-book of receipts and processes. Being a collection of chemical formulas and practical manipulations for the working of all the metals and alloys; including the decoration and beautifying of articles manufactured therefrom, as well as their preservation. Edited from various sources. xxiii,33–538 p. 63 il. D. Philadelphia: H. C. Baird & Co., 1899, c. 1890.

Brannt, William Theodore. 671 P605 671 Metal manufacture

18525 The metallic alloys. A practical guide for the manufacture of all kinds of alloys, amalgams, and solders, used by metal-workers; together with their chemical and physical properties and their application in the arts and the industries; with an appendix on the coloring of alloys and the recovery of waste metals. A new, revised, and enlarged edition. xxvii,527 p. 34 il. O. Philadelphia: H. C. Baird & Co., 1896.

Compiled principally from the following: Thurston, R. H. A treatise on brasses, bronzes and other alloys; Krupp, A. Die Legirungen; Ledebur, A. Die Metallverarbeitung auf chemischphysikalischem Wege; Muspratt, J. S. Theoretische, praktische und analytische Chemie.

Chase, Isaac McKim, 1837–1903. 671 Q301

63581 The art of pattern-making. A comprehensive treatise. Numerous examples of all kinds of pattern work for green-sand, dry-sand, and loam moulding. Pattern work for marine engines and screw propellers. Also useful information and rules for the practical use of pattern-makers and others. By I. McKim Chase . . . . First edition. . . . . New York, J. Wiley & Sons; London, Chapman & Hall, ltd., 1903.

vi, 254 p. illus., diagrs. 19cm.

Fuller, John, Sr. 671.19 P300

3342 Art of coppersmithing. A practical treatise on working sheet copper into all forms. [2],vii,327 p. 475 il. 2 pl. 1 por. O. New York: D. Williams, 1894.

Iron age directory. 671 1

33203 The Iron age directory. A classified index of goods manufactured by advertisers in the Iron age . . . . New York, D. Williams Company, 1902–.

Continued from no. 6, [1902]. 17½cm.

Langbein, Georg. 537.85 Q400

63523 A complete treatise on the electro-deposition of metals: comprising electro-plating and galvanoplastic operations, the deposition of metals by the contact and immersion processes, the coloring of metals, the methods of grinding and polishing . . . . Translated from the fifth German edition of Dr. George Langbein . . . . With additions by William T. Brannt . . . . Fifth edition, in great part re-written and much enlarged. Illustrated by one hundred and seventy engravings. Philadelphia, H. C. Baird & Co., 1905.

xxxiv, 660 p. front., illus. 24cm.

Leland, Charles Godfrey. 739 L53

3365 Elementary metal work: a practical manual for amateurs and for use in schools. xvi,111 p. 124 il. 1 pl. sq. O. New York: Macmillan & Co., 1894.

671 Metal manufacture

Sharp, John. **671 Q002**

29193 Modern foundry practice, dealing with the green-sand, dry-sand and loam moulding processes; the materials used; also detailed descriptions of the machinery and other appliances employed, with practical examples and rules. . . . . x,759 p. il. 14 pl. O. London: E. & F. N. Spon, 1900.

Smith, Oberlin. **671 P600**

2927 Press-working of metals. A treatise upon the principles and practice of shaping metals in dies by the action of presses, ... First edition. . . . . 276 p. 431 il. 1 pl. O. New York: J. Wiley & Sons, 1896.

Warn, Reuben Henry. **671 Q606**

60919 The sheet-metal worker's instructor, comprising a selection of geometrical problems and practical rules for describing the various patterns required by zinc, sheet-iron, copper, and tin-plate workers. By Reuben Henry Warn, ... Third edition, revised and further enlarged by Joseph G. Horner, ... With 465 illustrations. London, C. Lockwood and Son, 1906.

vii, 272 p. 465 illus. incl. diagrs. $19\frac{1}{2}^{cm}$.

671.45 Goldsmithing

Wigley, Thomas B. **671.45 P800**

19529 The art of the goldsmith and jeweller: a treatise on the manipulation of gold in the various processes of goldsmith's work, and the manufacture of personal ornaments, &c., &c. By Thomas B. Wigley, assisted by John H. Stansbie. xi,248 p. 144 il. O. London: C. Griffin & Co., 1898.

671.81 Silversmithing

Gee, George E. **671.81 O500**

16522 The silversmith's handbook. Containing full instructions for the alloying and working of silver. . . . . Third edition. xxvi,221 p. 40 il. S. [Weale's scientific & technical series.] London: C. Lockwood & Son, 1890.

Wilson, H. **739 W69**

37688 Silverwork and jewelry; a text-book for students and workers in metal, by H. Wilson. With diagrams by the author and other illustrations. New York, D. Appleton and Co., 1903.

346 p. incl. front., illus., pl., diagr. $19\frac{1}{2}^{cm}$. (*Half-title:* The artistic crafts series of technical handbooks, [no. 11])

671.97 Wire

Smith, J. Bucknall. **L671.97 P100**

2967 A treatise upon wire, its manufacture and uses, embracing comprehensive descriptions of the constructions and applications of wire ropes. xxii,[2],347 p. il. 2 pl. 1 table. Q. London: "Engineering," 1891.

See also **621.9,** Tools and tool-making; **669,** Metallurgy.

Ede, George. **672 M300** 672 Iron and steel manufacture

3919 The management of steel. Sixth edition. xii,204 p. D. London: E. & F. N. Spon, 1891.

Gardner, John Starkie. **672 P200**

983 Ironwork. . . . . [2 vol.] il. D. [SOUTH KENSINGTON MUSEUM. Art handbooks.] London: Chapman & Hall, 1893–1897.

Contents: Vol. 1. From the earliest time to the end of the Mediæval period. Vol. 2. From the close of the Mediæval period to the end of the eighteenth century, excluding English work.

Woodworth, Joseph Vincent, 1877– **672 Q300**

63982 Hardening, tempering, annealing and forging of steel; a treatise on the practical treatment and working of high and low grade steel ... by Joseph V. Woodworth ... illustrated by 201 engravings. New York, N. W. Henley & Co., 1903.

288 p. illus., diagrs. 23½cm.

See also **669 1**, Metallurgy of iron and steel.

Boulger, George Simonds, 1853– **674 Q202** 674 Lumber manufacture

50222 Wood; a manual of the natural history and industrial applications of the timbers of commerce. By G. S. Boulger . . . . With 82 illustrations. London, E. Arnold, 1902.

viii, 369 p. illus., 4 pl. 19cm.

"Select bibliography," p. 351–352.

Polk & Co., R. L., *Detroit.* **674 1**

37221 Polk's Lumber directory of the United States. Comprising list of agricultural implement manufacturers — boat builders — box manufacturers — car builders ... chair manufacturers — cooperage stock — furniture manufacturers ... and special lists of of all allied interests. Also laws affecting the lumber interest — inspection, measurement and classification rules of different markets — lumber associations, journals, etc. . . . . Detroit, Chicago, [etc.], R. L. Polk & Co., c1902–c1907.

Vol. 1–3, 1902–1908. 24cm.

Subtitle varies.

Schlich, William. **634.9 P500**

11180 A manual of forestry. . . . . 5 vol. il. pl. O. London: Bradbury, Agnew, & Co., 1895–1897.

Vol. 1 and 2 are in second edition, revised, published in 1896 and 1897.

Vol. 4–5 published under the title: Schlich's manual of forestry.

Vol. 4 is an English adaptation, by W. R. Fisher, of Hess, Richard. Der Forstschutz; vol. 5 is a translation, by W. R. Fisher, of Gayer, Karl. Die Forstbenutzung.

Vol. 1 contains a new part on The state in relation to forestry, and a general review of the timber requirements of the British Empire.

674 Lumber manufacture

Schlich, William, 1840– **634.9 Q401**

49018 Schlich's Manual of forestry. . . . . By W. Schlich, ... Third edition, revised. . . . . London, Bradbury, Agnew, & Co., ltd., 1904–.

Vol. 1–. illus., plates. 22½cm.
Vol. 1: 1906.

675 Leather manufacture

Davis, Charles Thomas. **675 P700**

12367 The manufacture of leather: being a description of all of the processes for the tanning and tawing . . . , and the currying, finishing and dyeing of every kind of leather; . . . , with special reference to the best American practice. To which are added lists of American patents (1884–1897) . . . . Second edition, revised and in great part rewritten. xxxii,680 p. 147 il. 2 pl. O. Philadelphia: H. C. Baird & Co., 1897.

Leland, Charles Godfrey. **675 P200**

1090 Leather work. A practical manual for learners. xiii,96 p. 60 il. 1 pl. sq.O. London: Whittaker & Co., 1892.

Shoe and leather reporter annual. **L675.0051 1**

5563 The Shoe and leather reporter annual . . . . Continued from 1897. Q. New York [1897–].

Watt, Alexander, *F.R.S.A.* **675 Q600**

63510 Leather manufacture; a practical handbook of tanning, currying, and chrome leather dressing, by Alexander Watt . . . . Fifth edition, thoroughly revised and enlarged. New York, D. Van Nostrand Company; [etc., etc.], 1906.

xvi, 484 p. illus. 20cm.

676 Paper manufacture

Andés, Louis Edgar. **676 Q704**

69961 The treatment of paper for special purposes: A practical introduction to the preparation of paper products for a great variety of purposes . . . by Louis Edgar Andés. Translated from the German, by Chas. Salter. With forty-eight illustrations. London, Scott, Greenwood & Son; New York, D. Van Nostrand Company; [etc., etc.], 1907.

xiii, 239 p. illus. 19cm.

Cross, Charles Frederick, 1855– **676 Q703**

64492 A text-book of paper-making. By C. F. Cross and E. J. Bevan. Third edition, containing additional matter, and in part re-written, with collaboration of J. F. Briggs. London, E. & F. N. Spon, ltd.; New York, Spon & Chamberlain, 1907.

x, 411 p. front., 97 illus., 11 fold. diagr. 19cm.
"Bibliography," p. 386–389.

Lockwood Trade Journal Co., *New York.* **676 1** 676 Paper manufacture

24025 Lockwood's directory of the paper, stationery and allied trades.
a .... New York, Lockwood Trade Journal Co., c1883–[1907].
Vol. 9, 26, 33, 1883, 1900–1901, 1908. 24cm.

Post's Paper mill directory. **676 2**

37488 Post's Paper mill directory .... Containing a complete list of the paper, pulp, and chemical fibre mills in ... the United States and Canada, together with classified lists of mills by goods made, ... New York, L. D. Post, c1903–1906.
1903, 1906/7. 2 vol. 23½cm.

Watt, Alexander. **676 P001**

3593 The art of paper-making: a practical handbook of the manufacture of paper ... , including the manufacture of pulp from wood fibre. With a description of the machinery and appliances used. To which are added details of processes for recovering soda from waste liquors. xii,260 p. 86 il. D. London: C. Lockwood & Son, 1890.

Bell, T. F. **677 P401** 677 Textiles

3364 Jacquard weaving and designing. vi,[2],303 p. 199 il. O. London: Longmans, Green, & Co., 1895.

Blue book. **677 5**

45529 ... The Blue book textile directory of the United States and
a Canada comprising cotton, woolen, silk, jute, flax and linen manufacturers, dyers, bleachers and print works, commission merchants, converters and brokers, yarn dealers, cotton, wool, hair, waste and rag dealers, ... silk dealers, dry goods jobbers, &c. with a full classified directory of cotton and woolen mills. .... New York, Davison Publishing Co., c1904–c1908.
Vol. 17, 21, 1904/5, 1908/9. maps. 23½cm.
At head of title vol. 17: World's Fair edition; vol. 21: Office edition.
1905 Supplement. 19 p., tipped in at end of vol. 17.

Cole, George Snow. **677 Q004**

26641 Cole's Encyclopedia of dry goods. A reference book for the wholesale and retail dry goods trade of the United States, containing a descriptive list of all the standard fabrics, ... and a full description of the processes of carding, spinning, weaving, bleaching, dyeing and printing. New edition, revised and enlarged. 640 p. il. O. New York: Root Newspaper Association, 1900.

677 Textiles

Davison's Hosiery. **677 7**

54677 a . . . . Davison's Hosiery and knit goods trade. A directory of the hosiery and knit goods manufacturers of the United States and Canada, and including knitting yarns, jobbers, ... buyers, large retailers, hosiery and knit goods dyers, manufacturers' agents, city offices and salesrooms of the various companies, with selling agents, ... New York, Davison Publishing Co., c1906–1908.

Vol. 16, 18, 1906/7, 1908/9. fold. maps. 23cm.
At head of title: Office edition.

Matthews, Joseph Merritt, 1874– **677 Q700**

63983 The textile fibres; their physical, microscopical and chemical properties, by J. Merritt Matthews . . . . Second edition, rewritten. . . . . New York, J. Wiley & Sons; [etc., etc.], 1907.

viii, 480 p. incl. illus., tables. 23½cm.
"Bibliography of the textile fibres," p. 431–438.

Red book. **677 10**

55847 a The "Red book" textile supply directory. Everything for the textile manufacturer in the line of chemicals and dyestuffs, yarns, braids, tapes, cotton, wool, shoddy, waste, rags, dyers, textile machinery and supplies. . . . . New York, Davison Publishing Co., c1906–c1908.

Vol. 22, 24, 1906, 1908. 21½cm.

Textile world. **677 1**

8378 Textile world record, official directory of the textile industries, also the yarn trade index. Boston, New York, [etc.], Lord & Nagle Co., c1897–.

Continued from 1897. illus. (incl. maps). 24cm.
Cover title; 1897 has title-page.
1897, title reads: Textile world's directory of the mill trade in the United States. . . . ; 1898–1899, Textile world's directory of the mill trade in the United States and of buyers of textile fabrics; 1900, The Textile world's official directory of the textile mills and of buyers of textile fabrics; 1901–1902, The Textile world's official directory of the textile industries . . . .
1902– include Canada.
1897–1902 published by Guild & Lord.

677.14 Carpets

Davison's Carpet trade. **677.14 1**

55042 Davison's Carpet trade. American carpet directory; a directory of the carpet and rug manufacturers of the United States and Canada . . . . New York, Davison Publishing Co., c1906.

No. 2, 1907. illus., 1 fold. plan. 18½cm.

677.19 Cotton

Taggart, William Scott. **677.19 P501**

3233 Cotton spinning. . . . . 3 vol. il. 1 pl. D. London: Macmillan & Co., 1896–1898.

Vol. 2 reprinted from *The Textile mercury.*

Davison's Silk trade. 677.81 I 677.81 Silk

55381 a . . . . Davison's Silk trade. A directory of the silk manufacturers of the United States and Canada, and including jobbers, with name of buyers, importers, silk dyers, commission merchants, city offices and salesrooms of manufacturing companies, the silk "cutting up" trade of New York City, and a classified list of manufacturers of the various kinds of silk goods. . . . . New York, Davison Publishing Co., c1906–c1909.

Vol. 11, 14, 1906, 1909. plans. 21cm.

At head of title: Office edition.

Beaumont, Roberts. 677.98 P900 677.98 Wool

21358 Woollen and worsted cloth manufacture: being a practical treatise for the use of all persons employed in the manipulation of textile fabrics. Third edition, re-written. xx,471 p. il. D. (Technological handbooks.) London: G. Bell & Sons, 1899.

Terry, Hubert L 678 Q701 678 Rubber

65592 India-rubber and its manufacture; with chapters on gutta-percha and balata, by Hubert L. Terry . . . . London, A. Constable & Co., ltd., 1907.

viii, [2], 294 p. illus. 21½cm. (*Half-title:* The "Westminster" series.)

"Bibliography," p. [289].

Weber, Carl Otto. 678 Q300

50221 The chemistry of india rubber, including the outlines of a theory on vulcanisation. By Carl Otto Weber, PH.D. With four plates and several illustrations in the text. London, C. Griffin and Co., ltd.; Philadelphia, J. B. Lippincott Company, 1903.

x, [2], 314 p. front., illus., 3 pl. 23½cm.

Polk & Co., R. L., *Detroit.* 679.0051 3 679 Flour

25315 Polk's flour mill, grain and bakers' directory of the United States . . . . Chicago, Baltimore, [etc.], R. L. Polk & Co., 1900–1905.

No. 1, 3, 1900, 1905. 23½cm.

No. 1 title reads: Polk's flour mill and grain directory of the United States and Canada.

680 TRADES

Horner, Joseph Gregory. 621.94 Q601

63548 Practical metal turning; a handbook for engineers, technical students, and amateurs (re-issue of "Engineers' turning") . . . by Joseph G. Horner . . . . Illustrated by four hundred and eighty-five illustrations. London, C. Lockwood and Sons, 1906.

[2], [v]–xii, 404 p. illus. 21½cm.

Contents. — Preface. — Introduction: The relations of the turnery to the machine shop. — The lathe, its work, and the tools. — Turning between centres. — Work supported at one end. — Internal work. — Screw cutting and turret work. — Miscellaneous matters. — Steel makers' instructions. — Index.

680 Trades

Horner, Joseph G. 621.02 P301

11268 The principles of fitting. For apprentices, and students in technical schools. By a foreman pattern maker. And including a number of useful shop notes and memoranda. x,313 p. il. 5 pl. D. [Whittaker's library of arts, sciences & industries.] London: Whittaker & Co., [1893].

How. 680.3 Q001

27316 How to make and how to mend. By an amateur mechanic. [2],288 p. il. D. London: Swan Sonnenschein & Co., 1900.

Leland, Charles Godfrey. 680.2 P600

6063 A manual of mending and repairing. xxi,264 p. il. D. New York: Dodd, Mead & Co., 1896.

681 Watch and clock making

Britten, Frederick James. 681 Q202

40563 The watch & clock makers' handbook, dictionary and guide. By F. J. Britten. Tenth edition. London, E. & F. N. Spon, ltd.; New York, Spon & Chamberlain, 1902.

492 p. illus. incl. diagrs. 22cm.

682 Blacksmithing. Forging

Bacon, John Lord. 682 Q401

63583 Forge-practice (elementary) by John Lord Bacon . . . . First edition. . . . . New York, J. Wiley & Sons; London, Chapman & Hall, ltd., 1904.

viii, 257 p. illus., diagrs. 19cm.

"This little volume is the outgrowth of a series of notes given to the students at Lewis Institute." — Pref.

Richardson, Milton Thomas, *editor.* 682 P001

2938 Practical blacksmithing. A collection of articles contributed at different times by skilled workmen to the columns of "The Blacksmith and wheelwright" . . . . 4 vol. il. D. New York: M. T. Richardson, 1890–1895.

684 Woodworking

Goss, William Freeman Myrick, 1859– 684 Q501

61912 Bench work in wood; a course of study and practice designed for the use of schools and colleges, by W. F. M. Goss . . . . Revised edition. Boston, New York, [etc.], Ginn & Co., [1905].

xiv, 200 p. illus., diagrs. 19cm.

Hasluck, Paul Nooncree, 1854– , *ed.* 684 Q300

63532 The handyman's book of tools, materials, and processes employed in woodworking, edited by Paul N. Hasluck, with 2,545 illustrations and working drawings. London, New York, [etc.], Cassell and Co., ltd., 1903.

viii, 760 p. illus. 24cm.

Selden, Frank Henry. 684.1 Q700 684 Woodworking

69303 Elementary turning, for use in manual training classes, by Frank Henry Selden .... Chicago, New York, Rand, McNally & Co., [c1907].

197 p. incl. front., illus. 18cm.

Selden, Frank Henry. 371.42 Q600

63578 Elementary woodwork for use in manual training classes, by Frank Henry Selden .... Chicago, New York, Rand, McNally & Co., [c1906].

[4], ii, 3–206 p. front., illus. 18cm.

Wheeler, Charles Gardner. 684 P900

22719 Woodworking for beginners. A manual for amateurs. ix,551 p. 705 il. 1 pl. O. New York: G. P. Putnam's Sons, 1900.

See also 694, Carpentry.

Golding, Frank Y 685 Q200 685 Shoes

63969 The manufacture of boots and shoes, being a modern treatise of all the processes of making and manufacturing footgear, by F. Y. Golding .... With over two hundred illustrations. London, Chapman & Hall, ltd., 1902.

ix, 294 p. illus., diagrs. 22½cm.

Bouchot, Henri. L655.09 O600 686 Bookbinding

208 The printed book, its history, illustration, and adornment, from the days of Gutenberg to the present time. Translated and enlarged by Edward C. Bigmore. viii,312 p. 118 il. Q. London: H. Grevel & Co., 1887.

Cockerell, Douglas. 686 Q100

37634 Bookbinding, and the care of books, a text-book for bookbinders and librarians, by Douglas Cockerell, with drawings by Noel Rooke, and other illustrations. London, J. Hogg, 1901.

xvi, 17–341, [1] p. incl. front., illus., pl. 19cm. (*Half-title:* the artistic crafts series of technical hand books, no. 1)

Horne, Herbert P. 686 P401

3706 The binding of books. An essay in the history of gold-tooled bindings. xiii,[3],224 p. 1 il. 13 pl. O. [Books about books.] London: Kegan Paul, ... , & Co., 1894.

Prideaux, Sarah Treverbian. 686 P300

19 An historical sketch of bookbinding, with a chapter on early stamped bindings by E. Gordon Duff. vi,[2],303 p. 3 pl. O. London: Lawrence & Bullen, 1893.

Contains a bibliography of bookbinding.

686 Bookbinding

White, Gleeson, *editor.* **740.2 W58**

11047 Practical designing. A handbook on the preparation of working drawings. . . . . [Second edition.] viii,327 p. il. 4 pl. D. London: G. Bell & Sons, 1894.

Contents: Millar, A. Carpet designing. Silver, A. Woven fabrics. Rix, W. P. Pottery. Carter, O. Tiles. Rathbone, R. Ll. B. Metal work. Image, S. Stained glass. White, G. Drawing for reproduction. Orrinsmith, H. Book-binding. Silver, A. Printed fabrics. —. Floorcloths. Haité, G. C. Wall papers.

Zaehnsdorf, Joseph William. **686 P001**

2133 The art of bookbinding. A practical treatise. Second edition, . . . enlarged. xix,190 p. il. 8 pl. D. (Technological handbooks.) London: G. Bell & Sons, 1890.

689 Packinghouse trades

Douglas's encyclopædia. **L689.13 Q700**

59720 Douglas's encyclopædia. Second edition. A book of reference for bacon curers, bacon factory managers, bacon agents, meat purveyors, meat inspectors, meat salesmen, abattoir superintendents, city, county or local authority officers, cold store proprietors and managers, sausage and pork pie makers, and all other industries associated with the meat, pork, provision and general food trades. London, W. Douglas & Sons, ltd., [1907].

[4], 634 p. illus. 29x21½cm.

Ice. **621.5 Q502**

49947 Ice and cold storage trades' directory and handbook . . . for all connected with the refrigerating industry & allied trades in Great Britain, the colonies, Europe, Asia, Africa, and the United States. London, The Ice and Cold Storage Publishing Company, ltd., 1905.

Vol. 5, 1905. 23cm.

Tayler, Alexander James Wallis-. **621.5 Q201**

50172 Refrigeration, cold storage and ice-making; a practical treatise on the art and science of refrigeration, by A. J. Wallis-Tayler . . . . With three hundred and sixty-one illustrations. London, C. Lockwood and Son, 1902.

xxi, 590 p. illus., plate, table, diagr. 23cm.

An elaboration of an earlier work, "Refrigerating and ice-making machinery."

Appendix: Useful tables and memoranda. Bibliography of refrigeration.

690 BUILDING

Berg, Louis de Coppet. **690.2 O900**

3047 Safe building: a treatise giving . . . the practical and theoretical rules and formulæ used in the construction of buildings. 2 vol. il. pl. tables. O. Boston: Ticknor & Co., 1892–1894.

Vol. 1: fourth edition, revised, published in 1894, c. 1889.

Freitag, Joseph Kendall. 721.9 F881 690 Building

50263 Architectural engineering. With especial reference to high building construction, including many examples of prominent office buildings. By Joseph Kendall Freitag .... Second edition, rewritten. .... New York, J. Wiley & Sons; London, Chapman & Hall, ltd., 1901.

xiv, 407 p. incl. illus., pl. front. 23½cm.

Galton, *Sir* Douglas. 628.02 P600

6468 Observations on the construction of healthy dwellings, namely: houses, hospitals, barracks, asylums, etc. Second edition, revised. xvi,306 p. 65 il. O. Oxford: Clarendon Press, 1896.

Hatfield, Robert Griffith. 690.2 O003

3115 The American house carpenter. A treatise on the art of building. ... ; together with a compend of mathematics. .... Eighth edition, rewritten and enlarged. Edited by O. P. Hatfield. Twelfth edition. .... [2],685 p. 450 il. 16 pl. O. New York: J. Wiley & Sons, 1895, c. 1880.

Johnson, John Butler, 1850–1902. L624.2 Q400

61961 The theory and practice of modern framed structures. Designed for the use of schools, and for engineers in professional practice. By J. B. Johnson ... C. W. Bryan and F. E. Turneaure .... Eighth edition, partly rewritten. .... New York, J. Wiley and Sons; London, Chapman & Hall, ltd., 1904.

ix, 561 p. illus., plates (partly fold.) diagrs. (partly fold.) 28 x 22cm.

Kidder, Frank Eugene, 1859–1905. 690.2 P600

5635 Building construction and superintendence. By F. E. Kidder, ... New York, W. T. Comstock, 1896–.

Vol. 1–. illus. 24½cm.

Various editions.

Spon, E. & F. N., *publishers.* 690.2 O401

4626 Spons' mechanics' own book: a manual for handicraftsmen and amateurs. Third edition. xii,702 p. 1424 il. O. London 1889.

Sturgis, Russell, 1836– L720.3 S935

40893 A dictionary of architecture and building, biographical, historical, and descriptive; by Russell Sturgis, PH.D. ... , and many architects, painters, engineers, and other expert writers, American and foreign. In three volumes. .... New York and London, The Macmillan Company, 1901.

3 vol. illus., 106 pl. incl. front. 27cm.

690 Building

Van Cleve, B. Frank. **602 P001**

18571 The English and American mechanic: an every-day hand-book for the workshop and the factory. Containing several thousand receipts, rules and tables . . . . A new, revised, enlarged and improved edition edited by Emory Edwards. xxv,476 p. il. D. Philadelphia: H. C. Baird & Co., 1893.

Viollet-le-Duc, Eugène Emmanuel. **721 V81**

2904 Rational building: being a translation of the article "Construction" in the Dictionnaire raisonné de l'architecture française, of M. Eugène-Emmanuel Viollet-le-Duc, by George Martin Huss. xii,367 p. 156 il. O. New York: Macmillan & Co., 1895.

691 Building materials

Thurston, Robert Henry. **691 Q900**

3188 . . . . Materials of engineering. 3 vol. il. pl. table. O. New York: J. Wiley & Sons, 1893–1898.

Contents: Vol. 1. A treatise on the non-metallic materials of engineering, stone, timber, fuel, lubricants, etc. Vol. 2. A treatise on iron and steel. Vol. 3. A treatise on brasses, bronzes, and other alloys, and their constituent metals.

Vol. 1 is in fourth revised edition; vol. 2, in seventh revised edition; vol. 3, in third edition, revised.

Unwin, William Cawthorne. **691 P900**

21407 The testing of materials of construction. A text-book for the engineering laboratory and a collection of the results of experiment. Second edition. vii,[4],455 p. 188 il. 5 pl. O. London: Longmans, Green, & Co., 1899.

691.2 Building stones

Merrill, George Perkins, 1854– **553.5 Q300**

63521 Stones for building and decoration. By George P. Merrill . . . . Third edition, revised and enlarged. . . . . New York, J. Wiley & Sons; London, Chapman & Hall, ltd., 1903.

xi, 540 p. illus., XXXIII (*i.e.* 34) pl. incl. front., 7 maps. 23½cm.

"Bibliography of works on building stone," p. 528–530.

691.5 Cement

Directory. **666.9 1**

28911 Directory of American cement industries. . . . . Indianapolis, Ind., New York, N. Y., Municipal Engineering Company, 1901–.

Continued from vol. 1, 1901. tables. 22cm.

Vol. 1–2 title reads: Directory of American cement industries and Handbook for cement users.

Vol. 3– published without the Handbook the third edition of which has shelf number **691.5 Q500**

Vol. 3 wanting.

Spalding, Frederick Putnam, 1857– **691.5 Q600**

61917 Hydraulic cement. Its properties, testing, and use. By Frederick P. Spalding . . . . Second edition . . . . New York, J. Wiley & Sons; [etc., etc.], 1906.

x, 300 p. illus., diagrs. 19cm.

See also **666.9**, Cement manufacture.

Birkmire, William Harvey. 721.9 B53 691.7 Iron and steel corrosion

2908 Architectural iron and steel, and its application in the construction of buildings. . . . , with specification of iron-work. . . . . Third edition. [2],xiv,201 p. il. O. New York: J. Wiley & Sons, 1894.

Newman, John. 691.7 P602

6446 Metallic structures: corrosion and fouling, and their prevention. A practical aid-book to the safety of works in iron and steel, and of ships; and to the selection of paints for them. xi,374 p. il. D. London: E. & F. N. Spon, 1896.

Sabin, Alvah Horton, 1851– 667.6 Q402

63580 The industrial and artistic technology of paint and varnish. By Alvah Horton Sabin . . . . First edition. . . . . New York, J. Wiley & Sons; London, Chapman & Hall, ltd., 1904.
vi, 372 p. front., illus., plates. 23½cm.

Byrne, Austin T. 692.6 P800 692 Contracts. Building superintendence

18735 Inspection of the materials and workmanship employed in construction. A reference book . . . containing a collection of memoranda pertaining to the duty of inspectors; quality and defects of materials; requisites for good construction; methods of slighting work; etc., etc. First edition. . . . . xvi,539 p. nar. D. New York: J. Wiley & Sons, 1899.

Clark, Theodore Minot, 1845– 692.6 Q300

50200 Building superintendence; a manual for young architects, students and others interested in building operations as carried on at the present day, by T. M. Clark . . . . New edition. Revised and rewritten. New York, London, The Macmilllan Company, 1903.
[8], 306 p. illus. 22½cm.

Hodgson, Frederick Thomas, 1836– 692.5 Q402

69430 Hodgson's estimator and contractor's guide for pricing builder's work, describing reliable methods of pricing builder's quantities for competitive work, showing in brief and concise form the methods generally employed by the most successful contractors. Giving full details for estimating cost by cost per cubic foot of similar buildings, estimating by the square, estimating in rough quantities, estimating per unit of accommodation, estimating by accurate quantities, etc., with many tables, rules and useful memoranda, by Fred. T. Hodgson . . . Chicago, F. J. Drake & Co., 1904.
254 p. illus., fold. table. 20cm.

Johnson, John Butler, 1850–1902. 620.03 Q200

50270 Engineering contracts and specifications, including a brief synopsis of the law of contracts and illustrative examples of the general and technical clauses of various kinds of engineering specifications, designed for the use of students, engineers, and contractors by J. B. Johnson . . . . Third edition — revised. . . . . New York, Engineering News Publishing Co., 1902.
[2], 6, [2], vii, 7–566 p. front. (port.) 23cm.

692 Contracts. Building superintendence

Leaning, John. 692.5 Q404

47729 Quantity surveying, for the use of surveyors, architects, engineers and builders. By J. Leaning, ... Fifth edition, revised and enlarged. London, E. & F. N. Spon, ltd.; New York, Spon & Chamberlain, 1904.

vii, [1], 936 p. diagrs. 22½cm.

692.9 Building laws

Chicago. *City Council.* 692.9773 Q500

49857 An ordinance relating to the Department of Buildings and governing the erection of buildings, etc. in the City of Chicago passed March 13, 1905. Chicago, Moorman & Geller, printers, 1905.

384 p. 1 fold. plan. 18cm.

Wait, John Cassan. 692.9 Q001

26706 The law of operations preliminary to construction in engineering and architecture. Rights in real property, boundaries, easements, and franchises. For engineers, architects, . . . , and attorneys at law. First edition. . . . lxiii,638 p. O. New York: J. Wiley & Sons, 1900.

693 Construction

Baker, Ira Osborn. 693 P900

20032 A treatise on masonry construction. Ninth edition, revised and partially rewritten. . . . . xiii,556 p. 160 il. 6 pl. O. New York: J. Wiley & Sons, 1899.

693.5 Concrete construction

Buel, Albert Wells, 1861– 693.5 Q600

61936 Reinforced concrete. Part I. Methods of calculation, by Albert W. Buel . . . . Part II. Representative structures. Part III. Methods of construction, by Charles S. Hill. Second edition. Revised and enlarged. New York, The Engineering News Publishing Company, 1906.

xii, 499 p. illus., tables (partly fold.) diagrs. (partly fold.) 24cm.

Gillette, Halbert Powers, 1869– 691.3 Q802

65333 Concrete construction, methods and cost, by Halbert P. Gillette . . . and Charles S. Hill . . . . New York and Chicago, The M. C. Clark Publishing Co., 1908.

viii, 690 p. illus., diagrs. 23½cm.

Reid, Homer A 693.5 Q700

63984 Concrete and reinforced concrete construction, by Homer A. Reid . . . . New York, The M. C. Clark Publishing Co., 1907.

xviii, 884 p. illus., diagrs. 24cm.

693.6 Plastering

Kemp, Wilfred. 693.6 P300

3740 The practical plasterer: a compendium of plain and ornamental plaster work, with useful recipes and a glossary of terms. vi,[2], 184 p. 52 il. nar. D. London: C. Lockwood & Son, 1893.

Hasluck, Paul Nooncree, 1854– , *ed.* **694 Q800** **694 Carpentry**

63949 Cassell's Carpentry and joinery. Comprising notes on materials, processes, principles, and practice, including 1,803 engravings and twelve coloured plates. Edited by Paul N. Hasluck .... London, New York, [etc.], Cassell and Co., ltd., 1908.

[8], 567, [1] p. 1803 illus., XII col. pl. incl. front. 24cm.

Hodgson, Frederick Thomas, 1836– **694 Q600**

63509 Modern carpentry and joinery. Vol. II. Advanced series; being a compilation of the very best things and most modern and practical methods known in the arts of carpentry and joinery. Prepared and edited by Fred T. Hodgson ... over 400 practical illustrations. Chicago, F. J. Drake & Co., 1906.

388 p. incl. front. (port.), illus., diagrs. 20cm.

Kilbon, George Baldwin. **694 P300**

3044 Manual training. Elementary woodwork: a series of sixteen lessons taught in the senior grammar grade at Springfield, Mass., and designed to give fundamental instruction in use of all the principal tools needed in carpentry and joinery. [4],99 p. 207 il. D. Boston: Lee & Shepard, 1893.

Young, Francis Chilton-. **694 P500**

3721 Home carpentry for handy men: a book of practical instruction in ... constructive and decorative work in wood .... vii,772 p. 571 il. O. London: Ward, Lock & Bowden, 1895.

See also **684**, Woodworking.

Davies, Philip John. **696 Q401** **696 Plumbing**

54562 Standard practical plumbing; being a complete encyclopædia ... and guide for architects, builders, gas fitters, hot water fitters, ironmongers, lead burners, sanitary engineers, zinc workers, recommended by the Worshipful Company of Plumbers as a text book for registered plumbers, examinations, &c. In [three] volumes, illustrated with over 2,000 engravings. By Philip John Davies, ... London, E. & F. N. Spon, ltd.; New York, Spon & Chamberlain, [1904]–1905.

3 vol. fronts. (vol. 2, pl.; vol. 3, diagr.), illus., 1 port. 25 x 18½cm.

Paged continuously; vol. 1: 356 p.; vol. 2: xiv, [2, 365]–807 p.; vol. 3: x, [2, 811]–1016 p.

Vol. 1: Fifth edition. — Revised 1905; vol. 2: Second edition. — Revised 1905.

Maguire, William R. **628.02 Q101**

29431 Domestic sanitary drainage and plumbing. Lectures on practical sanitation, delivered to plumbers, engineers, and others in the Central Technical Institution, South Kensington, London, under the auspices of the City and Guilds of London Institute for the Advancement of Technical Education. Third edition (revised and brought up to date). [4],506 p. il. O. London: Kegan Paul, Trench, Trübner & Co., 1901.

696 Plumbing

Plumbing. 690.973 1

62020 Plumbing & heating directory, ... , of United States & Canada; with list of manufacturers and jobbers of plumbing, heating and lighting goods, also master plumbers, steam and hot water fitters etc. .... New York, Plumbing & Heating Publishing Co., [c1905–].

Continued from vol. 1, 1905. 21½cm.

697 Heating and ventilation

Baldwin, William James St. John. 697.5 Q001

50240 Baldwin on heating; or, Steam heating for buildings revised. Being a description of steam heating apparatus for warming and ventilating large buildings and private houses, with remarks on steam, water, and air, in their relation to heating; to which are added useful miscellaneous tables. By William J. Baldwin ... Fifteenth edition, revised and enlarged. .... New York, J. Wiley & Sons; London, Chapman & Hall, ltd., 1900.

[2], viii, 384 p. illus., diagr., 6 pl. incl. front. 19½cm.

Baldwin, William James. 697.4 Q90c

3367 Hot-water heating and fitting; or, Warming buildings by hot-water. .... Third edition, ... [8],392,[6] p. il. 2 pl. O. New York: Engineering Record, 1891.

Carpenter, Rolla Clinton, 1852– 697 Q201

66469 Heating and ventilating buildings. A manual for heating engineers and architects. By Rolla C. Carpenter, ... Fourth edition, revised and enlarged. .... New York, J. Wiley & Sons; London, Chapman & Hall, ltd., 1907.

xvi, 562 p. incl. 277 illus., tables. front. 23½cm.

"Literature and references," p. 493–495.

Hood, Charles. 697.4 P700

8212 A practical treatise upon warming buildings by hot water and upon heat and heating appliances in general. With an enquiry respecting ventilation, the cause and action of draughts in chimneys or flues, and the laws relating to combustion. Rewritten by Frederick Dye. Third new edition, fully revised to date. xvi, 593 p. 369 il. O. London: E. & F. N. Spon, 1897.

698 Painting

Paint. 667.6 Q404

61978 Paint and varnish facts and formulæ; a hand book for the maker, dealer and user of paints and varnishes. Newark, N. J., Central Publishing Company, [1904].

[22], 179 p. 22cm.

Painters magazine. L698.1 Q400 698 Painting

[61974] 739 paint questions answered; a reference encyclopedia answering knotty problems that confront the painter, decorator, and paint manufacturer in their everyday work, with complete topical index. New York, The Painters magazine; London, The Trade papers Publishing Co., ltd., [1904].

383 p. 26cm.

"Advertisements," p. [369]–383.

Pearce, Walter John. 698 P700

[15135] Painting and decorating. xvi,[2],312 p. 88 il. 34 pl. O. London: C. Griffin & Co., 1898.

Standage, H C 698 Q800

[65787] Decoration of metal, wood, glass, etc.; a book for manufacturers, mechanics, painters, decorators, and all workmen in the fancy trades. Edited by H. C. Standage .... First edition .... New York, J. Wiley & Sons; London, Chapman & Hall, ltd., 1908.

[2], 228 p. 19cm.

See also **667.6**, Paint manufacture.

Clarke, Thomas Curtis, *& others.* 656.02 Q900 699 Car building

[1713] The American railway, its construction, development, management, and appliances. With an introduction by Thomas M. Cooley. xxviii,456 p. 264 il. Q. New York: C. Scribner's Sons, 1892.

Contents: Cooley, T. M. Introduction. Clarke, T. C. The building of a railway. Bogart, J. Feats of railway engineering. Forney, M. N. American locomotives and cars. Alexander, E. P. Railway management. Prout, H. G. Safety in railroad travel. Porter, H. Railway passenger travel. Voorhees, T. The freight-car service. Norton, B. How to feed a railway. James, T. L. The railway mail service. Hadley, A. T. The railway in its business relations. Adams, C. F. The prevention of railway strikes. Adams, B. B., Jr. The every-day life of railroad men. Hewes, F. W. Statistical railway studies.

Master Car Builders' Association. L699 Q600

[63987] The car builders' dictionary; an illustrated vocabulary of terms which designate American railroad cars, their parts, attachments, and details of construction, with definitions and illustrations of typical British practice in car construction. Six thousand three hundred and forty-four illustrations. 1906 edition. Compiled for the Master Car Builders' Association, by Rodney Hitt ... under the supervision of ... C. A. Seley ... H. F. Ball ... J. E. Muhlfeld .... New York, Chicago, The Railroad Gazette; [etc., etc.], 1906.

[6], 166, [4], 568 p. illus. 30½cm.

"The first edition of the Car builders' dictionary was published ... in 1879 ... it was revised and published ... in 1884 ... in 1895 ... in 1903."

700 FINE ARTS

701 Theory of art

Hirn, Yrjö. 157 Q001

29169 The origins of art; a psychological & sociological inquiry. xi, 331 p. O. London: Macmillan & Co., 1900.

"Authorities quoted," p. 307–322.

Kedney, John Steinfort. 193.39 K23

15612 Hegel's Æsthetics. A critical exposition. xviii,302 p. D. [German philosophical classics for English readers and students.] Chicago: S. C. Griggs & Co., 1885.

Lotze, Hermann. 157 O400

7943 Outlines of æsthetics. Dictated portions of the lectures of Hermann Lotze. Translated and edited by George T. Ladd. viii, [2],113 p. D. [LOTZE, H. Outlines of philosophy, vol. 5.] Boston, U. S. A.: Ginn & Co., c. 1885.

Marshall, Henry Rutgers. 157 P400

6475 Pain, pleasure, and æsthetics. An essay concerning the psychology of pain and pleasure, with special reference to æsthetics. xxi,364 p. O. London: Macmillan & Co., 1894.

Morris, William. 335.04 M83

10564 Signs of change. Seven lectures delivered on various occasions. New edition. viii,[2],202 p. D. London: Longmans, Green, & Co., 1896.

Contents: How we live and how we might live. Whigs, democrats, and socialists. Feudal England. The hopes of civilisation. The aims of art. Useful work versus useless toil. Dawn of a new epoch.

Tolstoi, Lev Nikolaevich. 701 T581

20254 What is art? Translated from the Russian original by Aylmer Maude, embodying the author's last alterations and revisions. xvi,237 p. 1 por. D. New York: T. Y. Crowell & Co., pref. 1898.

703 Dictionaries

Adeline, [Jules]. 703 A229

15408 Adeline's art dictionary. Containing a complete index of all terms used in art, architecture, heraldry, and archæology. Translated from the French, and enlarged. vii,422 p. il. O. New York D. Appleton & Co., 1891.

Kronthal, Paul. L703 K92

22616 Lexikon der technischen Künste. 2 vol. paged continuously: vol. 1: [2],xxii,[2],1–514 p.; vol. 2: [2],515–1021 p. Q. Berlin: G. Grote'sche Verlagsbuchhandlung, 1898–1899.

Arts and Crafts Exhibition Society, *London.* **706.204 1** 704 Essays on art

11366 Art and life, and the building and decoration of cities: a series of lectures by members of the Arts and Crafts Exhibition Society, delivered at the fifth exhibition of the society in 1896. [6],260 p. D. London: Rivington, Percival, & Co., 1897.

Contents: 1. Sanderson, T. J. Cobden-. Of art and life. 2. Lethaby, W. R. Of beautiful cities. 3. Crane, W. Of the decoration of public buildings. 4. Blomfield, R. Of public spaces, parks and gardens. 5. Ricardo, H. Of colour in the architecture of cities.

Ashbee, Charles Robert. **707 A819**

17000 A few chapters in workshop re-construction and citizenship, by C. R. Ashbee, ... London, Guild and School of Handicraft, 1894.

165, [1] p. 23cm.

Contents. — 1. Some definitions towards an ideal. — 2. On the need for the cultivation of the sense of beauty and the questionable wisdom of looking for this from the British middle class. — 3. How can we "run" art at our polytechnics. — 4. Decorative art from a workshop point of view. — 5. An industrial dialogue between Mr. Archibald Pushington, M. P., and Mr. Thomas Trudge. — 6. The honest endeavour of Timothy Thumbs, teacher and humanist. — 7. On the higher aspects of technical education and the elementary teacher. — 8. On the teaching of design and its bearing on workshop re-construction. — 9. University Extension and the workshop — a problem and a policy. — 10. The policy developed towards workshop reconstruction. — 11. The relation of the architect towards workshop reconstruction. — 12. On the possibility of a metropolitan school of architecture. — 13. Where is the builder of ideas? — 14. The art and technical instructor of to-day and the little citizen of the future. — 15. On Jack's initiation into the citizenship.

Crane, Walter. **704 C85**

9610 The claims of decorative art. vi,[2],191 p. il. sq.O. Boston: Houghton, Mifflin, & Co., 1892.

Contents: The claims of decorative art. The architecture of art. Figurative art. Sculpture: from a decorator's point of view. Painting at the present day: from a decorator's point of view. On the structure and evolution of decorative pattern. Art and labour. Art and handicraft. The prospects of art under socialism. On the teaching of art. Design in relation to use and material. The importance of the applied arts, and their relation to common life. Art and commercialism. Art and social democracy. Imitation and expression in art. Art and industry.

Day, Lewis Foreman. **704 D33**

9887 Some principles of every-day art: introductory chapters on the arts not fine. 2nd edition, revised. [6],148 p. 70 il. 1 pl. D. London: B. T. Batsford, 1894.

Miller, Fred. **704 M61**

11413 The training of a craftsman. Illustrated by many workers in the art crafts. x,249 p. 161 il. O. New York: Truslove & Comba, 1898.

Contents: 1. The craftsman and nature. 2. Design and craftsmanship. 3. Metal work. Repoussé and fine metal-work. Wrought iron. 4. Jewellery. 5. Enamelling on metal. 6. Potters and painters. 7. Glass painters. 8. Wood carvers. 9. Bookbinders. 10. Women workers in the art crafts. 11. Surface decoration. 12. Decoration in relief. 13. Wall-papers and textiles. 14. The craftsman up-to-date and his outlook.

704 Essays on art

Morris, William. 704 M83

14377 Hopes and fears for art. Five lectures delivered in Birmingham, London, and Nottingham 1878–1881. Fifth edition. [2],218 p. 1 pl. D. London: Longmans, Green, & Co., 1898.

Contents: The lesser arts. The art of the people. The beauty of life. Making the best of it. The prospects of architecture in civilisation.

Robinson, Charles Mulford. 352.5 Q300

34986 Modern civic art; or, The city made beautiful, by Charles Mulford Robinson .... New York and London, G. P. Putnam's Sons, 1903.

iv, 381 p. 22½cm.

Robinson, Charles Mulford. 352.5 Q100

29374 The improvement of towns and cities; or, The practical basis of civic æsthetics. xii,[2],309 p. D. New York: G. P. Putnam's Sons, 1901.

Contents: A. Foundations of civic beauty: 1. The site of the city. 2. The street plan. 3. The elementary construction. B. Beauty in the street: 4. Suppression and repression. 5. The advertisement problem. 6. Making utilities beautiful. 7. The tree's importance. 8. Possibilities of gardening. C. Æsthetic phase of social and philanthropic effort: 9. Parks and drives. 10. "Squares" and playgrounds. 11. Architectural development. 12. Architectural obligations. D. Æsthetic phase of educational effort: 13. Function and placing of sculpture. 14. Popular education in art. E. Means to secure civic æsthetics: 15. Work of individuals and societies. 16. Work of officials.

Ruskin, John. 704 R89

6763 The eagle's nest. Ten lectures on the relation of natural science to art, given before the University of Oxford ... , 1872. With an introduction by Charles Eliot Norton. Brantwood edition. xx,260 p. D. New York: Maynard, Merrill & Co., 1893.

Contents: 1. Of wisdom and folly in art. 2. Of wisdom and folly in science. 3. The relation of wise art to wise science. 4. The power of modesty in science and art. 5. The power of contentment in science and art. 6. The relation to art of the science of light. 7. The relation to art of the sciences of inorganic form. 8. The relation to art of the sciences of organic form. 9. The story of the halcyon. 10. The heraldic ordinaries.

Ruskin, John. 704 R891

6759 The two paths. Being lectures on art and its application to decoration and manufacture, delivered in 1838–9. With an introduction by Charles Eliot Norton. Brantwood edition. xvii,[2], 270 p. D. New York: Maynard, Merrill & Co., 1893.

Contents: 1. The deteriorative power of conventional art over nations. 2. The unity of art. 3. Modern manufacture and design. 4. Influence of imagination in architecture. 5. The work of iron, in nature, art, and policy.

709 History of art

Conway, *Sir* William Martin. 709.1 C76

18787 Dawn of art in the ancient world. An archaeological sketch. viii,189 p. D. New York: Macmillan & Co., 1891.

Dresser, Christopher. 709.52 D81 709 History of art

271 Japan: its architecture, art, and art manufactures. xi,467 p. 202 il. O. London: Longmans, Green, & Co., 1882.

Grosse, Ernst. 571.7 P700

7639 The beginnings of art. xiv,327 p. 32 il. 3 pl. D. [Anthropological series.] New York: D. Appleton & Co., 1897, pref. 1893.

Haddon, Alfred Cort. 571.7 P500

13062 Evolution in art: as illustrated by the life-histories of designs. xviii,[2],364 p. il. D. [Contemporary science series, vol. 30.] London: W. Scott, 1895.

Contents: Introduction. The decorative art of British New Guinea: as an example of the method of study. The material of which patterns are made. The reasons for which objects are decorated. The scientific method of studying decorative art.

Kingsley, Rose G. 709.44 K61

22530 A history of French art, 1100–1899. xiv,[2],517 p. O. London: Longmans, Green, & Co., 1899.

Lübke, Wilhelm, 1826–1893. L709 L962

61970 Outlines of the history of art, by Dr. Wilhelm Lübke . . . . Edited, minutely revised and largely rewritten by Russell Sturgis . . . . New York, Dodd, Mead & Co., 1904.

2 vol. col. fronts., illus., plates. 25½cm.

"The basis of this English edition is the translation made under the supervision of Edward L. Burlingame and the editorship of Clarence Cook in 1877 from the seventh edition of Dr. Lübke's work." — Pref.

Perrot, Georges, 1832– L709.32 P42

61972 A history of art in ancient Egypt, from the French of Georges Perrot ... and Charles Chipiez. Illustrated with five hundred and ninety-eight engravings in the text, and fourteen steel and coloured plates ... . Translated and edited by Walter Armstrong . . . . London, Chapman and Hall, ltd., 1883.

2 vol. illus., 14 pl. (partly col.) 26½cm.

Perrot, Georges, & Chipiez, Charles. L709.351 P42

18121 A history of art in Chaldæa & Assyria. From the French. Translated and edited by Walter Armstrong. 2 vol. il. pl. Q. London: Chapman & Hall, 1884.

Perrot, Georges, & Chipiez, Charles. L709.355 P42

61892 History of art in Persia. From the French. xii,508 p. 254 il. 12 pl. Q. London: Chapman & Hall, 1892.

Perrot, Georges, & Chipiez, Charles. L709.39 P42

17644 History of art in Phœnicia and its dependencies. From the French. Translated and edited by Walter Armstrong. 2 vol. il. pl. Q. London: Chapman & Hall, 1885.

709 History of art

Perrot, Georges, & Chipiez, Charles. L709.392 P42

11891 History of art in Phrygia, Lydia, Caria, and Lycia. From the French. xii,405 p. 283 il. Q. London: Chapman & Hall, 1892.

Perrot, Georges, & Chipiez, Charles. L709.38 P42

17645 History of art in primitive Greece. Mycenian art. From the French. 2 vol. il. pl. Q. London: Chapman & Hall, 1894.

Perrot, Georges, & Chipiez, Charles. L709.3 P42

17646 History of art in Sardinia, Judæa, Syria, and Asia Minor. From the French. Translated and edited by I. Gonino. 2 vol. il. pl. Q. London: Chapman & Hall, 1890.

Reber, Franz von. 709 R24

15867 History of mediæval art. Translated by Joseph Thatcher Clarke. xxxi,743 p. 422 il. O. New York: Harper & Brothers, 1897, c. 1886.

Symonds, John Addington. 309.45 N500

12116 Renaissance in Italy. 5 parts in 7 vol. por. O. New York: H. Holt & Co., 1881–1887.

Contents: Part 1. The age of despots. Part 2. The revival of learning. Part 3. The fine arts. Part 4. Italian literature. Part 5. The Catholic reaction.

Parts 3 and 5 are in Author's edition.

Part 3 has pref. date 1877.

709.2 Biographies of artists

Bryan, Michael, 1757–1821. L750.92 B841

61994 Bryan's dictionary of painters and engravers. New edition, revised and enlarged under the supervision of George C. Williamson . . . . London, G. Bell and Sons, 1903–1905.

5 vol. fronts., plates, ports. 27½cm.

Cook, Edward Tyas. 709.276 C77

18941 Studies in Ruskin: some aspects of the work and teaching of John Ruskin. Second edition. xiv,304 p. il. 8 pl. 1 por. D. Orpington: G. Allen, 1891.

Mackail, John William. 920.159 M19

17920 The life of William Morris. New impression. 2 vol. pl. por. O. London: Longmans, Green & Co., 1899.

Müller, Hermann Alexander, 1814–1894. 709.2 M88

69423 Allgemeines Künstler-Lexicon. Leben und Werke der berühmtesten bildenden Künstler. Dritte umgearbeitete und bis auf die neueste Zeit ergänzte Auflage . . . . Frankfurt a. M., Literarische Anstalt, Rütten & Loening, 1895–1901.

5 vol. 24cm.

Vol. 1: "Vorbereitet von Hermann Alexander Müller; herausgegeben von Hans Wolfgang Singer."

Vol. 2–5: "Herausgegeben von Hans Wolfgang Singer."

——— ———. Nachträge und Berichtigungen. Frankfurt a. M., 1906.

[2], 295, [5] p. 24cm.

Thieme, Ulrich, 1865– , *ed.* L709.2 T34 709.2 Biographies of artists

60314 Allgemeines Lexikon der bildenden Künstler von der Antike bis zur Gegenwart. Unter Mitwirkung von 300 Fachgelehrten des In- und Auslandes herausgegeben von Dr. Ulrich Thieme und Dr. Felix Becker. . . . . Leipzig, W. Engelmann, 1907–.
Vol. 1–. 27½cm.

[Waters], Clara, *born* **Erskine,** *formerly* **Clement,** 709.2 W311
33320 & **Hutton, Laurence.**
Artists of the nineteenth century and their works. A handbook containing two thousand and fifty biographical sketches. [Revised edition.] 2 vol. in 1. D. Boston: Houghton, Mifflin & Co., c. 1884.

Waters, *Mrs.* **Clara (Erskine) Clement,** 1834– 709.2 W31
63986 Painters, sculptors, architects, engravers, and their works. A handbook. By Clara Erskine Clement . . . . With illustrations and monograms. Fifteenth impression. Boston and New York, Houghton, Mifflin and Co., 1899.
xlii, [2], 681 p. front., illus., 12 pl. 19½cm.

710
LANDSCAPE GARDENING

Bailey, Liberty Hyde. 635 P800
16798 Garden-making. Suggestions for the utilizing of home grounds. Third edition, revised. vii,417 p. 256 il. S. [Garden-craft series.] New York: Macmillan Co., 1899.

Parsons, Samuel. L710.2 P25
14711 Landscape gardening. Notes and suggestions on lawns and lawn planting — laying out and arrangement of country places, large and small parks, cemetery plots, and railway-station lawns — deciduous and evergreen trees and shrubs — the hardy border — bedding plants — rockwork, etc. xxii,329 p. il. 1 pl. Q. New York: G. P. Putnam's Sons, 1895.

Robinson, William. 710.2 R56
16685 The English flower garden. Design and arrangement shown by existing examples of gardens in Great Britain and Ireland followed by a description of the best plants for the open-air garden and their culture. Sixth edition. xii,832 p. il. O. London: J. Murray, 1898.

Rose, Nils Jönsson-. L710.2 R72
8768 Lawns and gardens. How to plant and beautify the home lot, the pleasure ground and garden. xi,414 p. 172 il. 1 pl. Q. New York: G. P. Putnam's Sons, 1897.

716 Plants. Flowers

Bailey, Liberty Hyde, *editor.* **L634 Q001**

21544 Cyclopedia of American horticulture. Comprising suggestions for cultivation of horticultural plants, descriptions of the species of fruits, vegetables, flowers and ornamental plants sold in the United States and Canada, together with geographical and biographical sketches. By L. H. Bailey, assisted by Wilhelm Miller .... 4 vol. il. Q. New York: Macmillan Co., 1900–1902.

May, W. J. **716 M45**

10049 Greenhouse management for amateurs: descriptions of the best greenhouses and frames, ... ; particulars of the various methods of heating; illustrated descriptions of the most suitable plants, with general and special cultural directions; .... Second edition, revised and enlarged. [4],379 p. 128 il. D. London: L. U. Gill, [1897].

Nicholson, George, *editor.* **L634 O400**

15975 The illustrated dictionary of gardening, a practical and scientific encyclopædia of horticulture for gardeners and botanists. Edited by George Nicholson, assisted by professor J. W. H. Trail, in the parts relating to insects, fungi, plant structure, horticultural chemistry, &c.; and J. Garrett in the fruit, vegetable, and general garden work portions. 5 vol. in 6. il. colored pl. sq.Q. London: L. U. Gill, [1884–1901].

Vol. 5, [part 1] published under the title: The "1900" supplement to The dictionary of gardening, ... ; [part 2], The century supplement ... .

Robinson, William. **716 R56**

16999 The wild garden; or, The naturalization and natural grouping of hardy exotic plants, with a chapter on the garden of British wild flowers. Fourth edition illustrated by Alfred Parsons. xx,304 p. il. 11 pl. paged in, 1 pl. O. London: J. Murray, 1894.

Weathers, John. **716 W37**

30941 A practical guide to garden plants. Containing descriptions of the hardiest and most beautiful annuals and biennials; hardy herbaceous and bulbous perennials; hardy water and bog plants; flowering and ornamental trees and shrubs; conifers; hardy ferns: hardy bamboos and other ornamental grasses. Also the best kinds of fruits and vegetables that may be grown in the open air in the British Islands, with full and practical instructions as to culture and propagation. xii,1192 p. 163 il. O. London: Longmans, Green & Co., 1901.

720 ARCHITECTURE

Ruskin, John. 720.1 R89

16296 The seven lamps of architecture. With illustrations drawn by the author, and an introduction by Charles Eliot Norton. Brantwood editon. xxiv,401 p. 14 pl. D. New York: C. E. Merrill & Co., 1892.

Statham, Henry Heathcote. 720.2 S797

16559 Architecture for general readers. A short treatise on the principles and motives of architectural design. With a historical sketch. Second edition, revised. xvi,332 p. il. 12 pl. O. New York: C. Scribner's Sons, 1896.

Gwilt, Joseph. 720.3 G99 720.3 Dictionaries

24981 An encyclopædia of architecture, historical, theoretical, and practical. Revised, portions re-written, and with additions (in 1888) by Wyatt Papworth. New impression. xiv,1443 p. il. 1 pl. O. London: Longmans, Green & Co., 1899.

"A brief synoptical list of the principal architects, ancient and modern, with their chief works", p. 1129–1159.

"Publications relating to architecture", p. 1160–1200.

Longfellow, William Pitt Preble, *editor.* L720.3 L86

33378 A cyclopædia of works of architecture in Italy, Greece, and the Levant. xxxii,[2],546 p. 256 il. 12 pl. sq.Q. New York: C. Scribner's Sons, 1895.

The classical part of this book is the work of Mr. T. W. Ludlow, its bibliography is by H. N. Fowler; most of the articles on the mediæval and later architecture are by C. A. Cummings; while some on the Gothic and Romanesque churches of middle Italy are by Prof. A. J. Frothingham, Jr.

"This edition is limited to five hundred copies, ... This copy is No. 364."

"Bibliography," p. xv–xxii.

Sturgis, Russell, 1836– L720.3 S935

40893 A dictionary of architecture and building, biographical, historical, and descriptive; by Russell Sturgis, PH.D. . . . , and many architects, painters, engineers, and other expert writers, American and foreign. In three volumes. . . . . New York and London, The Macmillan Company, 1901.

3 vol. illus., 106 pl. incl. front. 27cm.

Viollet-le-Duc, [Eugène Emmanuel]. 720.3 V81

16997 Dictionnaire de l'architecture française du XIe au XVIe siècle. 10 vol. il. por. O. Paris: vol. 1, 9, Ve A. Morel & Cie, vol. 2–8, 10, A. Morel, 1867–1873.

Vol. 10 is index.

"Henri Sabine. Table analytique et synthétique . . . ", was published separately in 1889.

Vol. 1 published in 1873.

720.9 History of architecture

Fergusson, James, 1808–1886. **720.9 F41**

41714 A history of architecture in all countries, from the earliest times to the present day. By James Fergusson, D.C.L., ... In five volumes. — Vol. I–[II]. Third edition. Edited by R. Phené Spiers, F.S.A., ... London, J. Murray, 1893.

2 vol. fronts., 1035 illus. incl. diagrs. 22½cm.

Contents. — vol. 1. 1. Ancient architecture. 2. Christian architecture. xxxi, 634 p. front., illus. — vol. 2. 2. Christian architecture. (Continued.) 3. Saracenic and ancient American architecture. xiv, 642 p. front., illus., pl.

Vol. 3 is his History of Indian and eastern architecture which has shelf number **720.9 F411**

Vol. 4–5 are his History of the modern styles of architecture which has shelf number **720.9 F412**

Fergusson, James, 1808–1886. **720.9 F411**

41715 History of Indian and eastern architecture; by James Fergusson, D.C.L., ... Forming the third volume of the new edition of the 'History of architecture.' New impression. London, J. Murray, 1899.

xviii, 756 p. front., 394 illus. incl. diagrs., 2 fold. maps. 23cm

Fergusson, James, 1808–1886. **720.9 F412**

41716 History of the modern styles of architecture: by James Fergusson, D.C.L., ... Third edition, revised. By Robert Kerr, ... In two volumes . . . . With illustrations. London, J. Murray, 1891.

2 vol. fronts., 331 illus. incl. diagrs. 23cm.

These are vol. 4–5 of A history of architecture in all countries.

Fletcher, Banister, 1833–1899. **720.9 F632**

46694 A history of architecture on the comparative method, for the student, craftsman, and amateur, by Professor Banister Fletcher, . . . and Banister F. Fletcher, ... Fifth edition, revised and enlarged by Banister F. Fletcher. With about two thousand illustrations. London, B. T. Batsford, 1905.

li, [1], 738 p. incl. front., illus. 23cm.

"Reference books" at ends of chapters.

Mathews, Charles Thompson. **720.9 M42**

5916 The story of architecture: an outline of the styles in all countries. xvi, 468 p. 1 pl. 175 il. O. New York: D. Appleton & Co., 1896.

Sturgis, Russell. **720.94 S935**

9232 European architecture. A historical study. xxviii, 578 p. 256 il. 10 pl. O. New York: Macmillan Co., 1896.

Sturgis, Russell, 1836– **L720.9 S935**

69428 A history of architecture, by Russell Sturgis . . . . New York, The Baker & Taylor Company, [1906–].

Vol. 1–. front., illus., plates. 27½cm.

Viollet-le-Duc, Eugène [Emmanuel]. 720.9 V81 720.9 History of architecture

8867 The habitations of man in all ages. Translated by Benjamin Bucknall. xvi,394 p. il. 9 pl. O. Boston: J. R. Osgood & Co., 1876.

Architects' directory. L720.973 A673 720.973 Directory of architects

44944 The Architects' directory and specification index ... , containing a complete list of the architects in the United States and Canada .... Together with a specification index of prominent dealers and manufacturers of building materials and appliances. .... Also a complete list of landscape and naval architects. ... A list of the building departments of the leading cities, ... Published annually .... New York, W. T. Comstock, 1904–1907.

Vol. 6, 8, 1904/5, 1907. 25½cm.

Subtitle varies slightly.

Berg, Louis de Coppet. 690.2 O900 721 Architectural construction

3047 Safe building: a treatise giving ... the practical and theoretical rules and formulæ used in the construction of buildings. 2 vol. il. pl. tables. O. Boston: Ticknor & Co., 1892–1894.

Vol. 1: fourth edition, revised, published in 1894, c. 1889.

Birkmire, William Harvey. 721.9 B53

2908 Architectural iron and steel, and its application in the construction of buildings. ... , with specification of iron-work. .... Third edition. [2],xiv,201 p. il. O. New York: J. Wiley & Sons, 1894.

Clark, Theodore Minot, 1845– 692.6 Q300

50200 Building superintendence; a manual for young architects, students and others interested in building operations as carried on at the present day, by T. M. Clark .... New edition. Revised and rewritten. New York, London, The Macmilllan Company, 1903.

[8], 306 p. illus. 22½cm.

Freitag, Joseph Kendall. 721.9 F881

50263 Architectural engineering. With especial reference to high building construction, including many examples of prominent office buildings. By Joseph Kendall Freitag .... Second edition, rewritten. .... New York, J. Wiley & Sons; London, Chapman & Hall, ltd., 1901.

xiv, 407 p. incl. illus., 1 l. front. 23½cm.

Viollet-le-Duc, Eugène Emmanuel. 721 V81

2904 Rational building: being a translation of the article "Construction" in the Dictionnaire raisonné de l'architecture française, of M. Eugène-Emmanuel Viollet-le-Duc, by George Martin Huss. xii,367 p. 156 il. O. New York: Macmillan & Co., 1895.

723.5 Gothic architecture

Corroyer, Édouard. 723.5 C81

18961 Gothic architecture. Edited by Walter Armstrong. [Translated by Florence Simmonds.] xvi,388 p. 236 il. 1 pl. D. New York: Macmillan & Co., 1893.

Moore, Charles Herbert. 723.5 M78

21270 Development & character of gothic architecture. Second edition, rewritten and enlarged. xxviii,454 p. 242 il. 10 pl. O. New York: Macmillan Co., 1899.

724 Modern architecture

Statham, Henry Heathcote. 724 S797

17816 Modern architecture. A book for architects and the public. x,281 p. 145 il. 1 pl. O. London: Chapman & Hall, 1897.

725.5 Hospitals

Ochsner, Albert John, 1858– L725.5 O16

63985 The organization, construction and management of hospitals, with numerous plans and details, by Albert J. Ochsner ... and Meyer J. Sturm .... Chicago, Cleveland Press, 1907.

[4], [vii]–viii, [9]–600 p. incl. illus., plans, diagrs. 28½cm.

730–740 DECORATIVE ARTS

736 Wood-carving

Jack, George. 736.98 J12

50273 Wood-carving: design and workmanship, by George Jack; with drawings by the author and other illustrations. New York, D. Appleton and Co., 1903.

311 p. incl. front., illus., XVI pl. 19½cm. (*Half-title:* The artistic crafts series of technical handbooks ... , [no. 3].)

737 Coins

Humphreys, Henry Noel. 737 H881

3317 The coin collector's manual, or Guide to the numismatic student in the formation of a cabinet of coins: comprising an historical and critical account of the origin and progress of coinage, ... 2 vol. il. pl. D. London: G. Bell & Sons, 1876.

738 Pottery. Porcelain

Barber, Edwin Atlee. 738 B231

37611 The pottery and porcelain of the United States; an historical review of American ceramic art from the earliest times to the present day, by Edwin Atlee Barber ... PH.D. ... Second edition, revised and enlarged. With 277 illustrations. New York, London, G. P. Putnam's Sons, 1901.

xxi, 539 p. front., illus. 23½cm.

Cunynghame, Henry Hardinge. 738.26 C911

29489 On the theory and practice of art-enamelling upon metals. Second edition. xxiv,183,[1] p. il. 11 pl. paged in, 2 colored pl. D. Westminster: A. Constable & Co., 1901.

Fortnum, Charles Drury Edward. 738.54 F77 738 Pottery. Porcelain

106 Maiolica. vii,192 p. 82 il. O. [SOUTH KENSINGTON MUSEUM. Art handbooks.] London: Chapman & Hall, pref. 1875.

Jervis, William Percival, 1851– , *comp.* L738 J481

37669 The encyclopedia of ceramics, compiled by W. P. Jervis, with much original matter now first published ... New York [c1902]

[4], [9]–673 p. front. (port.) illus. 25½cm.

"Bibliographical," p. 48–51.

Young, Jennie J. 738 Y8

6564 The ceramic art. A compendium of the history and manufacture of pottery and porcelain. [2],499 p. 464 il. O. New York: Harper & Brothers, 1879.

Fortnum, Charles Drury Edward. 739 F77 739 Metal work

110 Bronzes. viii,162 p. 28 il. O. [SOUTH KENSINGTON MUSEUM. Art handbooks.] London: Chapman & Hall, pref. 1877.

Leland, Charles Godfrey. 739 L53

3365 Elementary metal work: a practical manual for amateurs and for use in schools. xvi,111 p. 124 il. 1 pl. sq. O. New York: Macmillan & Co., 1894.

Wilson, H. 739 W69

37688 Silverwork and jewelry; a text-book for students and workers in metal, by H. Wilson. With diagrams by the author and other illustrations. New York, D. Appleton and Co., 1903.

346 p. incl. front., illus., pl., diagr. 19½cm. (*Half-title:* The artistic crafts series of technical handbooks, [no. 11])

Arts and Crafts Exhibition Society, *London.* 740.8 4 740 Decoration. Design. Ornament

12517 Arts and crafts essays. By members of the Arts and Crafts Exhibition Society, with a preface by William Morris. xvii,420 p. 6 il. O. New York: C. Scribner's Sons, 1893.

Birdwood, *Sir* **George Christopher Molesworth.** 740.954 B53

19278 The industrial arts of India. New edition. xvi,344 p. il. 92 pl. 1 map. O. London: Chapman & Hall, pref. 1880.

"The Hindoo pantheon," p. 1–130.

Day, Lewis Foreman. 740.2 D332

9921 The application of ornament. Fourth edition, further revised. xi,[1],76 p. il. 48 pl. D. (Text books of ornamental design, no. 3.) London: B. T. Batsford, 1896.

Day, Lewis Foreman. 740.2 D33

9918 Nature in ornament. xxiii,247 p. 192 il. 123 pl. D. (Text books of ornamental design.) London: B. T. Batsford, 1892.

740 Decoration. Design. Ornament

Day, Lewis Foreman, 1845– **740.4 D331**

61962 Pattern design; a book for students treating in a practical way of the anatomy, planning & evolution of repeated ornament, by Lewis F. Day . . . . London, B. T. Batsford, 1903.

xx, 267 p. illus., diagrs. 23cm.

"The present volume . . . though it covers the ground of . . . ['The anatomy of pattern'] and answers much the same purpose, is not the same, but really a new book upon the foundations of the old one." — Pref.

Day, Lewis Foreman. **740.2 D331**

9920 The planning of ornament. Third edition, further revised, ... xi,49 p. 41 pl. D. (Text books of ornamental design, no. 2.) London: B. T. Batsford, 1893.

Mayeux, Henri. **740.2 M45**

6091 A manual of decorative composition. For designers, decorators, architects, and industrial artists. Translated by J. Gonino. ix, 310 p. 267 il. D. New York: D. Appleton & Co., 1888.

Meyer, Franz Sales, 1849– **740.2 M572**

61948 Handbook of ornament; a grammar of art industrial and architectural designing in all its branches, for practical as well as theoretical use, by Franz Sales Meyer . . . . 300 plates and numerous illustrations in the text. Sixth edition. New York, B. Hessling, [190–?].

xiv, 548 p. illus. 22½cm.

First published, 1888.

Redgrave, Richard. **740.2 R24**

108 Manual of design, compiled from the writings and addresses of Richard Redgrave by Gilbert R. Redgrave. viii,173 p. 18 il. O. [SOUTH KENSINGTON MUSEUM. Art handbooks.] London: Chapman & Hall, pref. 1876.

Rouaix, Paul. **L740.3 R75**

17336 Dictionnaire des arts décoratifs à l'usage des artisans, des artistes, des amateurs et des écoles. [2],vii,1042,[2] p. 541 il. 1 pl. Q. Paris: Librairie Illustrée, [1885].

Ruskin, John. **740.2 R89**

6765 The elements of drawing in three letters to beginners. With an introduction by Charles Eliot Norton. Brantwood edition. xxxvi,[2],380 p. 48 il. D. New York: Maynard, Merrill, & Co., c. 1893.

Viollet-le-Duc, [Eugene Emmanuel]. **740.2 V81**

3260 Learning to draw; or, The story of a young designer. Translated from the French by Virginia Champlin. . . . . v,[3],324 p. 110 il. D. New York: G. P. Putnam's Sons, 1888, c. 1880.

Ward, James. **740.9 W21** 740 Decoration. Design. Ornament

12538 Historic ornament. Treatise on decorative art and architectural ornament. . . . . 2 vol. il. pl. O. London: Chapman & Hall, 1897.

Ward, James. **740.2 W21**

7872 The principles of ornament. Edited by George Aitchison. New and enlarged edition. xix,207 p. 189,38 il. 1 pl. O. New York: C. Scribner's Sons, 1896.

White, Gleeson, *editor.* **740.2 W58**

11047 Practical designing. A handbook on the preparation of working drawings. . . . . [Second edition.] viii,327 p. il. 4 pl. D. London: G. Bell & Sons, 1894.

Contents: Millar, A. Carpet designing. Silver, A. Woven fabrics. Rix, W. P. Pottery. Carter, O. Tiles. Rathbone, R. Ll. B. Metal work. Image, S. Stained glass. White, G. Drawing for reproduction. Orrinsmith, H. Book-binding. Silver, A. Printed fabrics. —. Floorcloths. Haité, G. C. Wall papers.

Appletons' cyclopædia of technical drawing. **L744 A649** 741–744 Drawing

1709 Appletons' cyclopedia of technical drawing. Embracing the principles of construction as applied to practical design. . . . . Edited by W. E. Worthen. vii,[2],745,38 p. il. 15 pl. 5 maps. Q. New York: D. Appleton & Co., 1887.

Butterfill, Henry Holt-. **515 P700**

8513 First principles of mechanical and engineering drawing. A course of study adapted to the self-instruction of students and apprentices to mechanical engineering in all its branches . . . . xii,211 p. 203 il. O. London: Chapman & Hall, 1897.

Cuyer, Édouard. **591.4 Q500**

55734 Artistic anatomy of animals, by Édouard Cuyer . . . . Translated & edited by George Haywood . . . . London, Baillière, Tindall & Cox, 1905.

xx, 314 p. illus., 2 fold. diagr. 22cm.

MacCord, Charles William. **L744 M13**

3105 Mechanical drawing. Progressive exercises and practical hints. For the use of all who wish to acquire the art, with or without the aid of an instructor. [6],148 p. 164 il. sq. F. New York: J. Wiley & Sons, 1892.

Bound with this: MacCord, C. W. Practical hints for draughtsmen. 1895.

Maginnis, Charles Donagh. **741 M271**

87713 Pen drawing, an illustrated treatise by Charles D. Maginnis . . . . [Fourth edition.] Boston, Bates & Guild Company, 1903, [c1899].

x, [2], 121 p. 72 illus. 19cm.

741–744 Drawing

Reid, John Simpson, & Reid, David. 621.004 Q003

26481 A text-book of mechanical drawing and elementary machine design. First edition. . . . . viii,[2],389 p. 301 il. O. New York: J. Wiley & Sons, 1900.

Spanton, J. Humphrey. 515.6 P800

18054 Complete perspective course. Comprising the elementary and advanced stages of perspective, the projection of shadows and reflections, with exercises in theory and practice, also the practical application of perspective. Designed to meet . . . : the examinations of the Science and Art Department, South Kensington, and of the College of Preceptors; the Oxford and Cambridge local examinations . . . . xvii,282 p. 191 il. O. ["Britannia" science series.] London: Macmillan & Co., 1898.

Binder's title: Science and art drawing.

745 Rugs

Mumford, John Kimberly. L745 M915

26939 Oriental rugs. xv,[1],278 p. il. 32 pl. 2 maps, 2 tables. Q. New York: C. Scribner's Sons, 1900.

Contents: 1. Introduction. 2. History. 3. The rug-weaving peoples. 4. Materials. 5. Dyers and dyes. 6. Design. 7. Weaving. 8. Classification. 9. Caucasian. 10. Turkish. 11. Persian. 12. Turkoman. 13. Khilims. 14. Indian.

746 Art needlework

Dillmont, Thérèse de. 746 D58

6214 Encyclopedia of needlework. English edition. . . . . [4],578 p. 890 il. O. [18--].

Lefébure, Ernest. 746 L52

5408 Embroidery and lace: their manufacture and history from the remotest antiquity to the present day. . . . . Translated and enlarged, with notes, by Alan S. Cole. x,326 p. 154 il. O. London: H. Grevel & Co., 1888.

Müntz, Eugène. 746 M92

254 A short history of tapestry. From the earliest times to the end of the 18th century. Translated by Miss Louisa J. Davis. xvi, 399 p. 94 il. D. [Fine-art library.] London: Cassell & Co., 1885.

747 Interior decoration

Edis, Robert William. 747 E23

1275 Decoration & furniture of town houses. A series of Cantor lectures delivered before the Society of Arts, 1880, amplified and enlarged. xvi,292 p. il. 29 pl. O. New York: Scribner & Welford, 1881.

French, Lillie Hamilton, 1854– 645 Q303

65591 Homes and their decoration, by Lillie Hamilton French . . . . New York, Dodd, Mead and Co., 1903.

xvi, 430 p. front., illus., 31 pl. 22cm.

King, Pauline. 747 K58 747 Interior decoration

63506 American mural painting; a study of the important decorations by distinguished artists in the United States, by Pauline King. Boston, Noyes, Platt & Co., 1902, [1901].

[4], vii–xiii, 264 p. incl. illus., plates. front. 24cm.

Day, Lewis Foreman. 748 D33 748 Stained glass

10658 Windows. A book about stained & painted glass. x,415 p. il. O. London: B. T. Batsford, 1897.

Holiday, Henry. L748 H71

6915 Stained glass as an art. . . . . xx,173 p. il. 21 pl. Q. London: Macmillan & Co., 1896.

Cook, Clarence [Chatham]. 645 N700 749 Furniture

13962 The house beautiful. Essays on beds and tables, stools and candlesticks. 336 p. 99 il. O. [New York]: C. Scribner's Sons, 1895, c. 1877.

Eastlake, Charles Lock, *Architect.* 749 E13

595 Hints on household taste in furniture, upholstery and other details. Third edition (revised). xviii,306 p. il. 32 pl. O. London: Longmans, Green, & Co., 1872.

Jackson, Frederick Hamilton, 1848– 749 J13

63531 . . . . Intarsia and marquetry, by F. Hamilton Jackson . . . . With illustrations from photographs and from drawings and tracings by the author. London, Sands & Co., 1903.

xix, 152 p. 55 (*i.e.* 43) pl. (partly fold.) 20½cm. (Handbooks for the designer and craftsman.)

Several of the plates have illustrations on both sides.

Singleton, Esther. L749 S6171

63530 French and English furniture; distinctive styles and periods described and illustrated by Esther Singleton . . . illustrated from original sources by H. D. Nichols. New York, McClure, Phillips & Co., 1903.

xi, [1], 393, [1] p. front., LXVIII pl. 28½cm.

750–760 PAINTING AND ENGRAVING

Blanc, Charles. 750.2 B59

23942 The grammar of painting and engraving. Translated from the French of Blanc's Grammaire des arts du dessin by Kate Newell Doggett. With the original illustrations. xx,330 p. il. 15 pl. paged in. 1 pl. O. New York: Hurd & Houghton, 1874.

750.3 Dictionaries of painting

Bryan, Michael, 1757–1821. **L750.92 B841**

61994 Bryan's dictionary of painters and engravers. New edition, revised and enlarged under the supervision of George C. Williamson .... London, G. Bell and Sons, 1903–1905.

5 vol. fronts., plates, ports. 27½cm.

Champlin, John Denison, Jr., **L750.3 C35**

1041 & **Perkins, Charles C.,** *editors.*

Cyclopedia of painters and painting. 4 vol. il. pl. por. sq.Q. New York: C. Scribner's Sons, 1886–1887.

Large paper edition, in 500 copies.

750.9 History of painting

Crowe, *Sir* **Joseph Archer,** 1825–1896. **750.945 C88**

61926 A history of painting in Italy, Umbria, Florence, and Siena, from the second to the sixteenth century, by J. A. Crowe & G. B. Cavalcaselle; edited by Langton Douglas assisted by S. Arthur Strong. [Second edition.] .... London, J. Murray, 1903–.

Vol. 1–. front., plates. 23cm.

760 Engraving

Bouchot, Henri. **L655.09 O600**

208 The printed book, its history, illustration, and adornment, from the days of Gutenberg to the present time. Translated and enlarged by Edward C. Bigmore. viii,312 p. 118 il. Q. London: H. Grevel & Co., 1887.

Pennell, Joseph. **655.53 P501**

4124 The illustration of books. A manual for the use of students, notes for a course of lectures at the Slade School, University College. xii,168 p. D. New York: Century Co., pref. 1895.

Ruskin, John. **760.4 R89**

6758 Ariadne Florentina. Six lectures on wood and metal engraving, with appendix, given before the University of Oxford ... , 1872. With an introduction by Charles Eliot Norton. Brantwood edition. xviii, 298 p. 16 pl. 1 table. D. New York: C. E. Merrill & Co., 1892.

Slater, John Herbert. **760.92 S631**

17484 Engravings and their value: a guide for the print collector. Second edition. Revised and enlarged. [6],572,[4] p. D. London: L. U. Gill, 1897.

"A dictionary of engravers and their works. Being an alphabetical list of the principal engravers, with the prices realised at auction for a selection of their works," p. 95–572.

Vinycomb, John. **097 P400**

6233 On the processes for the production of ex libris (book-plates). .... xii,96 p. il. 22 pl. D. London: A. & C. Black, 1894.

Reprinted from the *Journal of the Ex Libris Society* with additional illustrations.

770
PHOTOGRAPHY.

Abney, *Sir* **William de Wiveleslie,** 1844– 770.2 A1532

37648 A treatise on photography, by Sir William de Wiveleslie Abney, ... F.R.S. Tenth edition, thoroughly revised, with 134 illustrations. London, New York [etc.] Longmans, Green, and Co., 1901.

xvii, 425 p. illus. incl. diagrs. 18cm. (*On cover:* Text-books of science)

Brothers, Alfred. 770.2 B79

19620 Photography: its history, processes, apparatus, and materials. Comprising working details of all the more important methods. xiii,364 p. 122 il. 24 pl. O. London: C. Griffin & Co., 1892.

Burton, William Kinninmond, & Pringle, Andrew. 770.2 B95

1589 The processes of pure photography. 200,ix p. 27 il. O. New York: Scovill & Adams Co., 1889.

Fourtier, [H].

19034 .... Le formulaire classeur du Photo-club de Paris. Formules, notes, renseignements pratiques, recueillis et annotés, par MM. Fourtier, Bourgeois & Bucquet. .... Paris, Gauthier-Villars & fils, 1892–[1897].

First–second series, 1892–1897. (Bibliothèque photographique.)
Card-index; filed in Reading Room.

McIntosh, J , *ed.* 770.2 M18

48696 The photographic reference book. Edited by J. McIntosh. Second edition. Largely added to, and rewritten throughout. .... London, Iliffe & Sons, ltd., 1904.

344 p. illus., 1 fold. pl. 19cm.
"Originally compiled by Mr. W. A. Watts ... and Mr. Henry Sturmey." — Pref.

Marion & Co., *London.* 770.2 M33

17681 Practical guide to photography. Sixth edition ... revised and enlarged. viii,288 p. 50 il. D. London 1898.

Wall, E. J. 770.3 W15 770.3 Dictionaries

9198 The dictionary of photography for the amateur and professional photographer. Revised and brought up to date by Thos. Bolas. Seventh edition, enlarged. iv,632 p. 122 il. D. London: Hazell, Watson, & Viney, 1897.

Wilson, Edward Livingstone. 770.3 W69

6251 Wilson's cyclopædic photography. A complete hand-book of the terms, processes, formulæ and appliances available in photography, arranged in cyclopædic form for ready reference. 453 p. 247 il. sq.O. London: Dawbarn & Ward, c. 1894.

770.5 Photographic annuals

American annual. 770.51 1

5496 The American annual of photography and Photographic times-bulletin almanac. New York, c1886–.

Continued from vol. 1, 1887. illus., plates. 23cm.

1887–1902 title reads: The American annual of photography and Photographic times almanac.

Index for 1891 published separately.

Vol. 1 is in second edition.

Yearbook. 770.52 2

5530 The Yearbook of photography and amateur's guide. . . . . London, [1871–].

1871, 1882; continued from 1886. fronts., illus., plates, photos. 19cm.

1871–1895 title reads: The Yearbook of photography and photographic news almanac.

1891, 1892, 1894, 1896, wanting.

770.9 History of photography

Werge, John. 770.9 W49

17687 The evolution of photography. With a chronological record of discoveries, inventions, etc., contributions to photographic literature, and personal reminiscences extending over forty years. viii,312 p. 4 pl. of por. D. London: Piper & Carter, 1890

771.1 Chemistry of photography

Meldola, Raphael. 771.1 M48

14392 The chemistry of photography. xiv,[2],382 p. 14 il. D. (Nature series.) London: Macmillan & Co., 1891.

771.12 Lenses

Beck, Conrad. 771.12 B38

63511 Photographic lenses. A simple treatise. By Conrad Beck and Herbert Andrews. Second edition. . . . . London, R. & J. Beck, ltd., [etc., 1903].

320 p. illus. (incl. diagrs.), plates. 19½cm.

774 Half-tone process

Verfasser, Julius, *pseud.* 774.11 V58

63626 The half-tone process. A practical manual of photo-engraving in half-tone on zinc, copper and brass. With a chapter on three-colour work. By Julius Verfasser. Fourth edition. Fully revised. . . . . London, Iliffe & Sons, ltd., 1907.

348, [4] p. incl. col. front., illus., 11 pl. (1 col., 1 fold.) 22cm.

777 Photo-engraving

Flemer, John Adolphus, 1859– 526.91 Q600

65345 An elementary treatise on phototopographic methods and instruments, including a concise review of executed phototopographic surveys and of publications on this subject, by J. A. Flemer . . . . First edition . . . . New York, J. Wiley & Sons; [etc., etc.], 1906.

xix, 438, [2] p. CIX (*i. e.* 55) pl. (incl. diagrs.) 23½cm.

Plates, with the exception of the last, printed on both sides.

Jenkins, Harry, 1868– 777 J411 777 Photo-engraving

69301 Amstutz' hand-book of photoengraving; being an enlargement and revision of Jenkins' Manual of photoengraving, by N. S. Amstutz . . . . With supplementary chapters on the theory and practice of half-tone colorwork, by Frederick E. Ives and Stephen H. Horgan. Third edition. Chicago, The Inland Printer Company, 1907.

440 p. illus. (partly col.) incl. ports., tables. front. (port.) plates. (partly col.) 20cm.

Walmsley, William Henry, 1830– 778.2578 W16 778.2578 Photo-micrography

37681 The A B C of photo-micrography; a practical handbook for beginners, by W. H. Walmsley, F.R.M.S. ... New York, Tennant and Ward, 1902.

viii, 155 p. front., illus., 28 fig. on 13 pl. 18½cm.

Dugmore, Arthur Radclyffe, 1870– 778.259 D87 778.258 Photography of animal life

63507 Nature and the camera; how to photograph live birds and their nests; animals, wild and tame; reptiles; insects; fish and other aquatic forms; flowers, trees, and fungi, by A. Radclyffe Dugmore ... illustrated from photographs by the author. New York, Doubleday, Page & Co., 1902.

[2], xiii, 126 p. front., illus., 39 pl. 21½cm.

Herrick, Francis Hobart, 1858– 598.2 Q503

63970 The home life of wild birds; a new method of the study and photography of birds, by Francis Hobart Herrick. Revised edition. With 160 original illustrations from nature by the author. New York and London, G. P. Putnam's Sons, 1905.

xxv, [1], 255 p. front., illus. 21½cm.

Marey, Etienne Jules. 591.17 0900

1226 Movement. Translated by Eric Pritchard. xv,323 p. 204 il. D. (International scientific series, vol. 73.) New York: D. Appleton & Co., 1895.

780 MUSIC

Hughes, Rupert, 1872– , *ed.* 780.2 H87

62399 The musical guide; containing a pronouncing and defining dictionary of terms, instruments, &c ... an explanation of the construction of music for the uninitiated; a pronouncing biographical dictionary; the stories of the operas; and numerous biographical and critical essays by distinguished authorities; edited by Rupert Hughes ... . New York, McClure, Phillips & Co., 1903.

2 vol. plates, tables, charts. 23cm.

Paged continuously; vol. 1: viii, [2], 378 p.; vol. 2: xiii, 379–807, [1] p.

780 Music

Lavignac, Albert. **780.2 L39**

23098 Music and musicians. . . . . Translated by William Marchant. Edited, with additions on music in America by H. E. Krehbiel. Second edition, revised. viii,504 p. il. O. New York: H. Holt & Co., 1899.

Contents: 1. A study of musical sound. 2. The materials of sound. 3. Grammar of music. 4. Esthetics. 5. History of the art of music.

780.3 Dictionaries

Champlin, John Denison, Jr., **L780.3 C35**

883 **& Apthorp, William Foster,** *editors.*

Cyclopedia of music and musicians. 3 vol. il. por. table. Q. New York: C. Scribner's Sons, 1888–1890.

Special edition, with etchings, in 50 copies.

Grove, *Sir* **George,** 1820–1900, *ed.* **780.3 G911**

62018 Grove's dictionary of music and musicians; edited by J. A. Fuller Maitland . . . . New York, London, The Macmillan Company, 1904–.

Vol. 1–. front., illus., plates, ports., facsims. 24½cm.

Redman, Harry Newton. **780.3 R24**

40892 A pronouncing dictionary of musical terms; compiled and edited by Harry Newton Redman. Boston, Knight and Millet, [c1901].

[6], vi, 139 p. 16½cm.

Riemann, Hugo, 1849– **780.3 R442**

63988 Musik-Lexikon, von Hugo Riemann . . . . Sechste vollständig umgearbeitete Auflage. Leipzig, M. Hesse, 1905.

xx, 1508 p. 22½cm.

Issued in 24 pts., 1904–05.

Riemann, Hugo. **780.3 R44**

4316 Dictionary of music. New edition, with many additions by the author Translated by J. S. Shedlock. [2],895 p. il. O. London: Augener & Co., [1893].

780.7 Musical education

Lavignac, Albert, 1846– **780.7 L39**

50198 Musical education, by Albert Lavignac . . . translated from the French by Esther Singleton . . . . New York, D. Appleton and Co., 1903.

vii, 447 p. 21cm. (*Half-title:* Appleton's musical series.)

Contents. — pt. 1. General remarks upon musical education. — pt. 2. The study of instruments. — pt. 3. The study of singing. — pt. 4. The various studies necessary for composers. — pt. 5. Of the means of rectifying a musical education that has been ill-directed at the beginning and how to remedy it. — pt. 6. Various kinds of instruction; individual, class, and conservatory instruction.

780.9 History of music

Parry, Charles Hubert Hastings. **780.9 P24**

17725 The evolution of the art of music. x,342 p. D. (International scientific series, vol. 76.) New York: D. Appleton & Co., 1896.

Wallaschek, Richard. 780.91 W15 780.91 Primitive music

11523 Primitive music. An inquiry into the origin and development of music, songs, instruments, dances, and pantomimes of savage races. With musical examples. xi,326 p. 9 p. of music. O. London: Longmans, Green, & Co., 1893.

"Authorities quoted", p. 297–321.

Baker, Theodore, *editor.* 780.92 B17 780.92 Biographies of musicians

21045 A biographical dictionary of musicians. With portraits from drawings in pen and ink by Alex. Gribayédoff. vii,653 p. il. O. New York: G. Schirmer, 1900.

Brown, James Duff, & Stratton, Stephen S. 780.92 B81

13587 British musical biography: a dictionary of musical artists, authors and composers, born in Britain and its colonies. [4],ii,[2],462, [2] p. O. Birmingham: S. S. Stratton, 1897.

Paine, John Knowles, Thomas, Theodore, & Klauser, Karl, *editors.* L780.92 P16

12350

Famous composers and their works. 4 vol. paged continuously; vol. 1: xii,1–242 p.; vol. 2: [4],243–496 p.; vol. 3: [4],497–732 p.; vol. 4: [4],733–976 p. il. pl. por. Q. Boston: J. B. Millet Co., c. 1891.

Thomas, Theodore, *editor.* L780.92 P161

12351 Famous composers and their works. Musical compositions. 2 vol. paged continuously; vol. 1: viii,1–240 p.; vol. 2: viii,241–472 p. por. Q. Boston: J. B. Millet Co., c. 1891.

Published to accompany Paine, J. K., Thomas, T., & Klauser, K., *ed.* Famous composers and their works

Gurney, Edmund. L157 0001 781 Theory of music

10253 The power of sound. xi,[2],559 p. il. Q. London: Smith, Elder, & Co., 1880.

Helmholtz, Hermann von. L534.3 0500

8155 On the sensations of tone as a physiological basis for the theory of music. Translated, thoroughly revised and corrected, rendered conformable to the fourth (and last) German edition of 1877, with numerous additional notes and a new additional appendix bringing down information to 1885 and especially adapted to the use of musical students, by Alexander J. Ellis. Third edition. xix,576 p. 70 il. Q. London: Longmans, Green, & Co., 1895.

Sully, James. 150.4 S953

3092 Sensation and intuition: studies in psychology and æsthetics. xix, 372 p. il. O. London: H. S. King & Co., 1874.

Contents: 1. The relation of the evolution hypothesis to human psychology. 2. New theories of emotional expression. 3. Recent German experiments with sensation. 4. Belief: its varieties and its conditions. 5. The genesis of the free-will doctrine. 6. On some elements of moral self-culture. 7. The basis of musical sensation. 8. Aspects of beauty in musical form. 9. On the nature and limits of musical expression. 10. The æsthetic aspects of character. 11. The representation of character in art. 12. Lessing's Hamburg dramaturgy. 13. On the possibility of a science of æsthetics.

781 Theory of music

Zahm, John Augustine. 534.3 P200

9290 Sound and music. 452 p. il. 1 pl. O. Chicago: A. C. McClurg & Co., 1892.

784 Voice

Lunn, Charles, 1838– 784.9 L971

57240 The philosophy of voice showing the right and wrong action of voice in speech and song, with laws for self-culture. By Charles Lunn. . . . . Tenth (standard) edition. London, Baillière, Tindall and Cox, 1906.

xiv, 237 p. front., illus., 2 pl. 22cm.

"The voice trainer's library," p. 220.

785–787 Musical instruments

Elson, Arthur. 780.85 E49

63529 Orchestral instruments and their use; giving a description of each instrument now employed by civilised nations, a brief account of its history, an idea of the technical and acoustical principles illustrated by its performance, and an explanation of its value and functions in the modern orchestra, by Arthur Elson . . . . Boston, L. C. Page & Co., 1903, [1902].

[8], 13–299 p. front., illus., port. 20cm. (Music lovers' series.)

Hasluck, Paul Nooncree, 1854– , *ed.* 787 H27

63528 Violins and other stringed instruments, how to make them; with numerous engravings and diagrams; edited by Paul N. Hasluck . . . . London, New York, [etc.], Cassell and Co., ltd., 1906.

[4, 7]–160 p. illus., diagrs. 17½ x 10cm. (*On cover:* "Work" handbooks.)

"A comprehensive digest of the knowledge of making violins and other stringed instruments scattered over more than forty thousand columns of Work . . . . Contributions from the pens of Mr. David McSkimming and Mr. Robert Ford are incorporated in this work." — Pref.

790
AMUSEMENTS

Beard, Daniel Carter, 1850– 796 B38

63527 New ideas for out of doors; the field and forest handy book, by D. C. Beard. New York, C. Scribner's Sons, [c1906].

xiv, 428 p. illus., diagrs. 20cm.

Encyclopædia. L790.3 E56

30868 The encyclopædia of sport. Edited by the Earl of Suffolk and Berkshire, Hedley Peek and F. G. Aflalo. 2 vol. il. pl. Q. London: Lawrence & Bullen, 1897–1898.

Groos, Karl. 157 P903

28720 The play of man. Translated with the author's co-operation by Elizabeth L. Baldwin. With a preface by J. Mark Baldwin. ix, 412 p. D. New York: D. Appleton & Co., 1901.

Haddon, Alfred Cort. 571.04 H12 790 Amusements

16756 The study of man. xxv,410 p. 40 il. 8 pl. O. [Science series.] New York: G. P. Putnam's Sons, 1898.

Contents: 1. Measurements and their importance in anthropology. 2. Hair and eye colour. 3. Value of head-form in anthropology. 4. The nose. 5. The ethnography of the Dordogne district. 6. The evolution of the cart. 7. The origin of the Irish jaunting car. 8. Toys and games: cat's cradle and kites. 9. Toys and games: tops and the tug-of-war. 10. The bull-roarer. 11. The singing games of children. 12. "London Bridge": foundation sacrifice. 13. "Draw a pail of water": water worship. 14. Courting games. 15. Funeral games. 16. Practical suggestions for conducting ethnographical investigations in the British Islands.

Hastings, Charles. 792 H27

50257 The theatre, its development in France and England, and a history of its Greek and Latin origins, by Charles Hastings, with an introductory letter from Monsieur Victorien Sardou, of the French Academy. Authorised translation by Frances A. Welby. London, Duckworth and Co., 1901.

xvi, 368 p. 22cm.

"Bibliography", p. 342–346.

Hopkins, Albert Allis. L793 H77

7957 Magic, stage illusions and scientific diversions, including trick photography. With an introduction by Henry Ridgely Evans. xii,556 p. 400 il. 1 pl. Q. New York: Munn & Co., 1897.

"Bibliography of natural magic and prestidigitation. Compiled, with notes, by Henry Ridgely Evans", p. 537–550.

International. L625.6 2 796 Automobiling

63790 International motor cyclopaedia, sport, industry and trade. . . . . Year book . . . New York, E. E. Schwarzkopf, [1908].

1908/9. illus. 26cm.

Sloss, Robert Thompson, 1872– 625.6 Q505

63546 The book of the automobile; a practical volume devoted to the history, construction, use and care of motor cars and to the subject of motoring in America, by R. T. Sloss; introduction by Dave H. Morris . . . . New York, D. Appleton and Co., 1905.

xxii, 372 p. front., illus., xv pl., fold. map, diagrs. 21½cm.

Elliot, Daniel Giraud. 598.2 P500 799 Fishing and hunting

1578 North American shore birds. A history of the snipes, sandpipers, plovers and their allies inhabiting the beaches and marshes of the Atlantic and Pacific coasts, the prairies, and the shores of the inland lakes and rivers of the North American continent; . . . . A reference book for the naturalist, sportsman and lover of birds. 268 p. 3 il. 71 pl. O. New York: F. P. Harper, 1895.

799 Fishing and hunting

Jordan, David Starr, 1851– **L597 Q200**

50238 American food and game fishes. A popular account of all the species found in America north of the equator, with keys for ready identification, life histories and methods of capture, by David Starr Jordan ... and Barton Warren Evermann ... illustrated with colored plates and text drawings, and with photographs from life by A. Radclyffe Dugmore. New York, Doubleday, Page & Co., 1902.

l, 573 p. col. front., illus., plates (partly col.) 26½cm.

800 LITERATURE

Lotze, Hermann. **157 O400**

7943 Outlines of æsthetics. Dictated portions of the lectures of Hermann Lotze. Translated and edited by George T. Ladd. viii, [2],113 p. D. [LOTZE, H. Outlines of philosophy, vol. 5.] Boston, U. S. A.: Ginn & Co., c. 1885.

Posnett, Hutcheson Macaulay. **801 P84**

640 Comparative literature. x,402 p. D. (International scientific series, vol. 54.) New York: D. Appleton & Co., 1886.

803 Literary dictionaries

Baker, Ernest Albert. **016.8 B17**

50197 A descriptive guide to the best fiction, British and American; including translations from foreign languages; containing about 4500 references; with copious indexes and a historical appendix, by Ernest A. Baker .... London, S. Sonnenschein and Co., ltd.; New York, The Macmillan Co., 1903.

vii, 610 p. 20½cm.

Classified: A, English (by periods), Scottish, Irish, Colonial; B, American (by periods); C–L, translations (by languages); followed by an index of authors and titles, and one of subjects. Critical and descriptive notes; best or "representative" works are starred.

Brewer, Ebenezer Cobham, 1810–1897. **032 P401**

62017 Dictionary of phrase and fable, giving the derivation, source, or origin of common phrases, allusions, and words that have a tale to tell, by the Rev. E. Cobham Brewer, LL.D. New edition, revised, corrected and enlarged, to which is added a concise bibliography of English literature. .... London, Cassell and Co., ltd., 1903.

[4], 1440 p. front. (port.) 1 facsim. 21½cm.

Brewer, Ebenezer Cobham. **032 P800**

27504 The reader's handbook of famous names in fiction, allusions, references, proverbs, plots, stories, and poems. A new edition revised throughout and greatly enlarged. viii,1243 p. O. Philadelphia: J. B. Lippincott Co., 1900.

Julian, John, 1839– , *ed.* **245 P100** 803 Literary dictionaries

44646 A dictionary of hymnology, setting forth the origin and history of Christian hymns of all ages and nations, with special reference to those contained in the hymn books of English-speaking countries, and now in common use, together with biographical and critical notices of their authors and translators and historical articles on national and denominational hymnody, breviaries, missals, primers, psalters, sequences, &c. &c. &c. Edited by John Julian, M.A. . . . . New York, C. Scribner's Sons, 1892, [c1891].

xii, 1616 p. 24½cm.

Vapereau, Gustave. **L920.01 V411**

17984 Dictionnaire universel des littératures. Contenant, I, des notices sur les écrivains de tous les temps et de tous les pays . . . ; II, la théorie et l'historique des différents genres de poésie et de prose, ... III, la bibliographie générale et particulière, ... Seconde édition, revue et augmentée d'un supplément. xvi,2096,25 p. Q. Paris: Hachette & cie, 1884.

Wheeler, William Adolphus, & Wheeler, Charles G. **031 0200**

6472 Familiar allusions: a hand-book of miscellaneous information, including the names of celebrated statues, paintings, palaces, country-seats, ruins, churches, ships, streets, clubs, natural curiosities, and the like. v,584 p. O. Boston: J. R. Osgood & Co., 1882.

Wheeler, William Adolphus. **010.3 W56**

13272 Who wrote it? An index to the authorship of the more noted works in ancient and modern literature. Edited by Charles G. Wheeler. [2],174 p. sq. D. Boston: Lee & Shepard, 1882.

Brand, [John], 1744–1806. **390.942 Q400** 808 Miscellany

46133 Brand's Popular antiquities of Great Britain. Faiths and folklore. A dictionary of national beliefs, superstitions and popular customs, past and current, with their classical and foreign analogues, described and illustrated. Forming a new edition of "The popular antiquities of Great Britain" by Brand and Ellis, largely extended, corrected, brought down to the present time, and now first alphabetically arranged. By W. Carew Hazlitt. In two volumes— . . . . London, Reeves & Turner; New York, C. Scribner's Sons, 1905.

2 vol. fronts. 23cm.

Paged continuously; vol. 1: x, [1]–334 p.; vol. 2: [2], [335]–672 p.

The present work made its first appearance under the auspices of the Rev. Henry Bourne in 1725, under the title of Antiquitates vulgares. A more complete edition, by Brand, was brought out in 1777. The latter collected a large amount of additional material which was published in 1813 under the editorship of Sir Henry Ellis. *cf.* Pref.

808 Miscellany

Brewer, Ebenezer Cobham. 032 0400

867 A dictionary of miracles, imitative, realistic, and dogmatic. xliv, 582 p. il. O. Philadelphia: J. B. Lippincott Co., 1889.

Chambers, Robert, *1802–1871.* L808 C35

34986 The book of days. A miscellany of popular antiquities in connection with the calendar including anecdote, biography, & history, curiosities of literature and oddities of human life and character. 2 vol. il. Q. Edinburgh: W. & R. Chambers, 1863–1864.

Christy, Robert. 398.9 C46

15404 Proverbs, maxims and phrases of all ages. Classified subjectively and arranged alphabetically. 2 vol. O. New York: G. P. Putnam's Sons, 1893.

White, Richard Grant. 422 W58

1760 Words and their uses, past and present. A study of the English language. Twenty-seventh edition, revised and corrected. [2], vii,467 p. D. Boston: Houghton, Mifflin & Co., c. 1870.

808 Rhetoric

Hill, Adams Sherman, 1833– 808 H55

50193 Beginnings of rhetoric and composition, including practical exercises in English, by Adams Sherman Hill . . . . New York, Cincinnati, [etc.], American Book Company, [c1902].
522 p. 19½cm.

808.8 Quotations

Bartlett, John, *1820–.* 808.8 B28

935 Familiar quotations: a collection of passages, phrases, and proverbs traced to their sources in ancient and modern literature. Ninth edition. xv,1158 p. O. Boston: Little, Brown, & Co., 1892.

Benham, W Gurney, *comp.* 808.8 B43

58318 Cassell's Book of quotations, proverbs and household words. A collection of quotations from British and American authors, with many thousands of proverbs, familiar phrases and sayings from all sources, including Hebrew, Arabic, Greek, Latin, French, German, Spanish, Italian, and other languages. By W. Gurney Benham. With full verbal index. London, New York, [etc.], Cassell & Co., ltd., 1907.
[8], 1256, [8] p. 22cm.
[8] blank pages at end, for "ms. addenda and notes".

Friswell, James Hain. 808.8 F91

1170 Familiar words. An index verborum or quotation handbook, with parallel passages, of phrases which have become imbedded in our English tongue. New edition, with supplement and ... new verbal index. vi,500 p. D. London: Sampson Low, ... , & Rivington, 1889.

Harbottle, Thomas Benfield, *d.* 1904. **808.8 H21** 808.8 Quotations

51866 Dictionary of quotations (French and Italian) by Thomas Benfield Harbottle and Colonel Philip Hugh Dalbiac. With authors' and subjects' indexes. [Second edition.] London, S. Sonnenschein & Co., ltd.; New York, The Macmillan Company, 1904.
[6], 565 p. 20½cm. [Sonnenschein's dictionaries of quotations. 3.]

Jones, Hugh Percy, *ed.* **808.8 J71**

69492 A new dictionary of foreign phrases and classical quotations, comprising extracts from the works of the great writers, idioms, proverbs, maxims, mottoes, technical words and terms, press allusions, etc., etc., from the Latin, Greek, French, German, Italian, Spanish and Portuguese, with English translations or equivalents, edited with notes and introduction by Hugh Percy Jones .... New and revised edition. Philadelphia, J. B. Lippincott Company; London, C. W. Deacon & Co., 1902.
[6], [ix]–xx, 532 p. 21cm.
"Authors quoted," p. [527]–532.

Latham, Edward. **808.8 L34**

51863 Famous sayings and their authors. A collection of historical sayings in English, French, German, Greek, Italian, and Latin by Edward Latham .... London, S. Sonnenschein & Co., ltd., 1904.
vii, [1], 269, [1] p. 20½cm. [Sonnenschein's dictionaries of quotations. 7.]

Smith, Henry Percy, *editor.* **031 P500**

1775 A dictionary of terms, phrases, and quotations. The terms and phrases edited by the Rev. H. Percy Smith. The quotations compiled for the American edition by Helen Kendrick Johnson. x, 724 p. O. New York: D. Appleton & Co., 1895.

Adams, Oscar Fay. **920.073 A2162** 810 American literature

61982 A dictionary of American authors, by Oscar Fay Adams .... Fifth edition, revised and enlarged. Boston and New York, Houghton, Mifflin and Co., 1905, [1904].
viii, [2], 587, [1] p. 21½cm.

Duyckinck, Evert Augustus, **L810.92 D95**

351 & **Duyckinck, George Long.**

Cyclopædia of American literature: embracing personal and critical notices of authors, and selections from their writings, from the earliest period to the present day. 4 vol. and suppl. il. por. Q. New York: C. Scribner & Co., 1866.

810 American literature

Moulton, Charles Wells, *ed.* **L810.92 M86**

50296 The library of literary criticism of English and American authors ... edited by Charles Wells Moulton, assisted by a corps of able contributors. Buffalo, N. Y., The Moulton Publishing Company, 1901–1905.

8 vol. ports. 26cm.

Contents. — vol. 1. 680–1638. — vol. 2. 1639–1729. — vol. 3. 1730–1784. — vol. 4. 1785–1824. — vol. 5. 1825–1854. — vol. 6. 1855–1874. — vol. 7. 1875–1890. — vol. 8. 1891–1904.

Richardson, Charles Francis. **810.9 R39**

23099 American literature. 1607–1885. 2 vol. O. New York: G. P. Putnam's Sons, 1893–1894.

Contents: Vol. 1. The development of American thought. xx,528,[8], p. 1893. Vol. 2. American poetry and fiction. [4],456 p. 1894.

Trent, William Peterfield, 1862– **810.9 T72**

50201 A history of American literature, 1607–1865, by William P. Trent .... New York, D. Appleton and Co., 1903.

x, 608 p. 20cm. (*Half-title:* Short histories of the literatures of the world, edited by E. Gosse.)

Bibliography, p. 581–593.

Tyler, Moses Coit. **810.9 T97**

22003 A history of American literature during the colonial time. .... [New edition]. 2 vol. O. New York: G. P. Putnam's Sons, 1897.

Contents: Vol. 1: 1607–1676. Vol. 2: 1676–1765.

Tyler, Moses Coit. **810.9 T971**

22002 The literary history of the American Revolution. 1763–1783. .... 2 vol. O. New York: G. P. Putnam's Sons, 1897–1898.

Contents: Vol. 1. 1763–1776. Vol. 2. 1776–1783.

Vol. 1, published in 1898, is in second edition.

"Bibliography", vol. 2. p. 429–483.

820 English literature

Adams, William Davenport. **032 N800**

5517 Dictionary of English literature: being a comprehensive guide to English authors and their works. Third edition. iv,708 p. O. London: Cassell, Petter & Galpin, [188–].

Allibone, Samuel Austin. **L015.42 A436**

451 A critical dictionary of English literature, and British and American authors, living and deceased, from the earliest accounts to the latter half of the nineteenth century. .... 3 vol. Q. Philadelphia: J. B. Lippincott Co., 1891.

Kirk, John Foster. **L015.42 A4361**

452 A supplement to Allibone's Critical dictionary of English literature and British and American authors. .... 2 vol. Q. Philadelphia: J. B. Lippincott Co., 1892.

Brooke, Stopford Augustus. 820.9 B79 820 English literature

18023 English literature from the beginning to the Norman conquest. ix,338 p. D. New York: Macmillan Co., 1898.

"Bibliography," p. 325-334.

Chambers, [Robert], 1802-1871. L820.3 C35

40868 Chambers's cyclopædia of English literature. New edition by David Patrick, LL.D. A history critical and biographical of authors in the English tongue from the earliest times till the present day, with specimens of their writings. ... . London and Edinburgh, W. & R. Chambers, ltd, 1901-.

Vol. 1-. fronts. (ports.), illus. 28cm.

Granger, Edith, *ed.* L016.82 G76

65413 An index to poetry and recitations; being a practical reference manual for the librarian, teacher, bookseller, elocutionist, etc.; including over thirty thousand titles from three hundred and sixty-nine books, edited by Edith Granger, ... Chicago, A. C. McClurg & Co., 1904.

970 p. 27½cm.

Mackail, John William. 920.159 M19

17920 The life of William Morris. New impression. 2 vol. pl. por. O. London: Longmans, Green & Co., 1899.

Marsh, George Perkins. 420.9 M35

1756 The origin and history of the English language and of the early literature it embodies. Revised edition. xv,574 p. O. New York: C. Scribner's Sons, 1892.

Morley, Henry. 820.9 M82

24518 English writers: an attempt towards a history of English literature. .... Vol. 1-11. D. London: Cassell & Co., 1891-1897.

Vol. 11, Shakespeare and his time: under James I., left unfinished at the author's death; completed by W. Hall Griffin.

No more published.

Vol. 1, 3 are in third edition; vol. 4 is in fourth thousand; vol. 5, in second edition.

Saintsbury, George [Edward Bateman], 1845- 820.9 S1572

45735 A history of Elizabethan literature, by George Saintsbury. [Seventh impression.] London, Macmillan and Co., ltd.; New York, The Macmillan Company, 1903.

xiv, 471 p. 19½cm. (*Half-title:* History of English literature, [vol. 2].)

Saintsbury, George. 820.9 S1571

17168 A history of nineteenth century literature (1780-1895). xii, 477 p. D. [History of English literature.] London: Macmillan & Co., 1896.

820 English literature

Scudder, Vida Dutton. 309.42 P800

17004 Social ideals in English letters. [6],329 p. O. Boston: Houghton, Mifflin & Co., 1898.

Contents: Part I. The England of our forefathers: 1. William Langland and the Middle Ages. 2. The Utopia of Sir Thomas More. 3. The age of Jonathan Swift. Part II. The England of our fathers: 1. Outlines. 2. Social pictures: Dickens and Thackeray. 3. The awakening: "Sartor resartus". 4. The indictment. 5. The new intuition. 6. George Eliot and the social conscience. 7. A glimpse of America. 8. What to do: according to Carlyle. 9. What to do: according to Ruskin. 10. What to do: according to Arnold. 11. Toward democracy. 12. Toward authority. Conclusion: Contemporary England.

Sharp, Robert Farquharson, 1864– 920.042 S5311

50165 A dictionary of English authors, biographical and bibliographical, by R. Farquharson Sharp. Being a compendious account of the lives and writings of upwards of 800 British and American writers from the year 1400 to the present time. New edition (revised) with an appendix bringing the whole up to date and including a large amount of new matter. London, K. Paul, Trench, Trübner & Co., ltd., 1904.

[6], 363 p. 20½cm.

Taine, Hippolyte Adolphe. 820.9 T13

12353 History of English literature. Translated from the French by H. Van Laun. [New edition.] 4 vol. O. Edinburgh: Edmonston & Douglas, 1873–1874.

828 English quotations

Dalbiac, Philip Hugh, 1855– 828 D15

51864 Dictionary of quotations (English), by Colonel Philip Hugh Dalbiac, ... With authors' and subjects' indexes. [Fourth edition.] London, S. Sonnenschein & Co., ltd.; New York, The Macmillan Company, 1903.

[4], 510 p. 20½cm. [Sonnenschein's dictionaries of quotations. 1.]

Swan, Helena. 828 S972

50167 Dictionary of contemporary quotations (English) by Helena Swan. With author's index. London, S. Sonnenschein & Co., ltd.; New York, E. P. Dutton & Co., 1904.

v, 608 p. 20½cm.

Wale, William. 828 W14

51865 What great men have said about great men. A dictionary of quotations by William Wale. London, S. Sonnenschein & Co., ltd., 1902.

viii, 482, [2] p. 20½cm. [Sonnenschein's dictionaries of quotations. 5.]

830 German literature

Scherer, Wilhelm, 1841–1886. 830.9 S3261

44558 A history of German literature by W. Scherer. Translated from the third German edition by Mrs. F. C. Conybeare, edited by F. Max Müller. Volume I–[II]. New York, C. Scribner's Sons, 1903.

2 vol. 20½cm.

Dalbiac, Lilian. 838 D15 838 German quotations

[8511] Dictionary of quotations (German). By Lilian Dalbiac. With authors' and subjects' indexes. London, S. Sonnenschein & Co., ltd.; New York, The Macmillan Company, 1906.

vi, 485 p. 20½cm. [Sonnenschein's dictionaries of quotations.]

Anderson, Rasmus Björn. 293 N500 839 Scandinavian literature

[3041] Norse mythology; or, The religion of our forefathers, containing all the myths of the Eddas, systematized and interpreted. With an introduction, vocabulary and index. 473 p. 1 pl. O. Chicago: S. C. Griggs & Co., 1875.

Horn, Frederik Winkel. 839 H78

[22005] History of the literature of the Scandinavian North from the most ancient times to the present. Revised by the author, and translated by Rasmus B. Anderson, with a bibliography of the important books in the English language, relating to the Scandinavian countries, prepared for the translator by Thorvald Solberg. ix, 507 p. O. Chicago: S. C. Griggs & Co., 1895, c. 1883.

"Bibliography of Scandinavia", p. 413–500.

Brunetière, Ferdinand. 840.9 B83 840 French literature

[18024] Manual of the history of French literature. Authorized translation by Ralph Derechef. xxvii,[2],569 p. 16 por. O. New York: T. Y. Crowell & Co., c. 1898.

Saintsbury, George. 840.9 S157

[21184] A short history of French literature. Fifth edition, revised. (With the section on the nineteenth century greatly enlarged.) xv,636 p. D. Oxford: Clarendon Press, 1897.

Garnett, Richard. 850.9 G18 850 Italian literature

[22007] A history of Italian literature. xii,431 p. D. [Short histories of the literatures of the world.] New York: D. Appleton & Co. 1900.

"Bibliographical note", p. 419–424.

Symonds, John Addington. 309.45 N500

[12116] Renaissance in Italy. 5 parts in 7 vol. por. O. New York: H. Holt & Co., 1881–1887.

Contents: Part 1. The age of despots. Part 2. The revival of learning. Part 3. The fine arts. Part 4. Italian literature. Part 5. The Catholic reaction.

Parts 3 and 5 are in Author's edition.

Part 3 has pref. date 1877.

Kelly, James Fitzmaurice-. 860.9 K29 860 Spanish literature

[17196] A history of Spanish literature. ix,423 p. D. New York: D. Appleton & Co., 1898.

"Bibliographical note", p. 399–412.

868 Spanish quotations

Harbottle, Thomas Benfield, *d.* 1904. **868 H21**

60057 Dictionary of quotations (Spanish). By T. B. Harbottle and Martin Hume, ... With subject and authors' index. London, S. Sonnenschein & Co., ltd.; New York, The Macmillan Co., 1907.

vii, 462 p. 20½cm. [Sonnenschein's dictionaries of quotations, no. 11.]

870 Roman and Greek literature

Mure, William. **880.9 M94**

17131 A critical history of the language and literature of antient Greece. Second edition. 5 vol. map. O. London: Longman, . . . , & Longmans, 1854–1859.

Vol. 5 is in first edition.

Peck, Harry Thurston, 1856– , *ed.* **L937 P700**

42438 Harper's dictionary of classical literature and antiquities, edited by Harry Thurston Peck, M.A., ... Illustrated. [Second edition.] New York, Cincinnati, [etc.], American Book Company, [pref. 1897, c1896].

xv, 1701 p. illus., 2 maps. 26½cm.

Teuffel, Wilhelm Sigmund. **870.9 T29**

1288 History of Roman literature. Revised and enlarged by Ludwig Schwabe. Authorized translation from the fifth German edition, by George C. W. Warr. 2 vol. O. London: G. Bell & Sons, 1891–1892.

878 Classical quotations

Harbottle, Thomas Benfield, *d.* 1904. **878 H21**

51861 Dictionary of quotations (classical). By Thomas Benfield Harbottle. With authors and subjects indexes. [Third edition.] London, S. Sonnenschein & Co., ltd.; New York, The Macmillan Co., ltd., 1906.

[6], 684 p. 20½cm. [Sonnenschein's dictionaries of quotations. 2.]

891 Indian literature

Frazer, Robert Watson. **891.1 F86**

25136 A literary history of India. xiii,[2],470 p. 1 pl. O. [Library of literary history, vol. 1.] New York: C. Scribner's Sons, 1898

"A short list of useful works recommended for further study," p. 451–455.

895 Chinese literature

Giles, Herbert Allen. **895 G39**

28291 A history of Chinese literature. viii,448 p. D. (Short histories of the literatures of the world.) New York: D. Appleton & Co., 1901.

900
HISTORY

Adams, Charles Kendall. 016.9 A211

204 A manual of historical literature, comprising brief descriptions of the most important histories in English, French, and German, together with practical suggestions as to methods and courses of historical study. .... Third edition, revised .... xxxviii,[2], 720 p. O. New York: Harper & Brothers, 1889.

Haydn, Joseph Timothy, 1786 *or* 7–1856. 032 Q400

61907 Haydn's dictionary of dates and universal information relating to all ages and nations. By the late Benjamin Vincent. Revised and brought up to date by eminent authorities. Twenty-third edition, containing the history of the world to the end of 1903. London, Ward, Lock & Co., ltd., 1904.
vi, [6], 1487 p. 24½cm.

Little, Charles Eugene. L902 P901

22782 Cyclopedia of classified dates. With an exhaustive index. ... Facts and events which relate to the histories of the various countries of the world, from the earliest recorded dates. vii,[1], 1454 p. Q. New York: Funk & Wagnalls Co., 1900.

Rand, McNally & Co., *publishers.* 902 P900

22031 The Rand-McNally condensed history of the world for ready reference. Containing a list of the rulers of the world, with dates of their accessions arranged in chronological order, and a complete and comprehensive index. 272 p. 14 p. of maps. D. Chicago: c. 1899.

Bouillet, Marie Nicolas. L903 P301 903 Historical dictionaries

1740 Dictionnaire universel d'histoire et de géographie. Contenant: 1° l'histoire proprement dite: ... ; 2° la biographie universelle: ... ; 3° la mythologie: ... ; 4° la géographie ancienne et moderne. .... Refondu sous la direction de L.–G. Gourraigne. Trente-et-unième édition. x,2101 p. O. Paris: Librairie Hachette & Cie, [1893].

Brewer, Ebenezer Cobham. 032 P100

160 The historic note-book: with an appendix of battles. x, 997 p. O. Philadelphia: J. B. Lippincott Co., 1894.

Harbottle, Thomas Benfield, *d.* 1904. 908 2

61983 Dictionary of historical allusions, by Thomas Benfield Harbottle .... [Second edition.] London, S. Sonnenschein & Co., ltd.; New York, E. P. Dutton & Co., 1904.
[4], 306 p. 21cm. (Sonnenschein's dictionaries of quotations, no. 9.)
"First edition, November, 1903."

903 Historical dictionaries

Heilprin, Louis, 1851– **903 P900**

50171 . . . . The historical reference book; comprising a chronological table of universal history; a chronological dictionary of universal history; a biographical dictionary with geographical notes; for the use of students, teachers and readers, by Louis Heilprin. Revised to 1899; sixth edition, with a supplement. New York, D. Appleton and Co., 1902.

[2], xi, [2], 592 p. 20½cm. (The concise knowledge library.)

Larned, Josephus Nelson. **L903 P300**

561 History for ready reference from the best historians, biographers, and specialists. Their own words in a complete system of history . . . . 6 vol. maps, tables. Q. Springfield, Mass.: C. A. Nichols Co., 1895–1901.

Original work in 5 volumes. Vol. 6, revised and enlarged edition. Recent history (1894–5 to 1901).

907 Study and teaching of history

Bourne, Henry Eldridge, 1862– **907 Q200**

50207 . . . . The teaching of history and civics in the elementary and the secondary school, by Henry E. Bourne ... New York, London, [etc.], Longmans, Green, and Co., 1902.

viii, [2], 385 p. 20½cm. (American teachers series.)
Bibliography at head of chapters.

Channing, Edward, & Hart, Albert Bushnell. **016.973 C36**

28848 Guide to the study of American history. xvi,471 p. D. Boston, U. S. A.: Ginn & Co., 1896.

Hinsdale, Burke Aaron. **907 P400**

6139 How to study and teach history. With particular reference to the history of the United States. Revised edition, with additional matter, including a bibliographical index. xxiii,353 p. D. (International education series, vol. 25.) New York: D. Appleton & Co., 1894.

New England History Teachers' Association. **375.9 Q400**

50162 A history syllabus for secondary schools, outlining the four years' course in history recommended by the Committee of Seven of the American Historical Association, by a special committee of the New England History Teachers' Association, Herbert Darling Foster, chairman . . . . Boston, D. C. Heath & Co., 1904.

375 p. 19cm.
Contains bibliographies.
Contents. — pt. 1. Ancient history to 800 A. D. — pt. 2. Mediæval and modern European history, 800–1900 A. D. — pt. 3. English history to 1900 A. D. — pt. 4. American history and civil government to 1904 A. D.

Great Britain. *Emigrants' Information Office.* 908.42 I 908.42 History of British Colonies

48352 Handbook. . . . . Issued by the Emigrants' Information Office. London, printed for His Majesty's Stationery Office, 1904–.

Continued from 1904. maps. 22cm.

Each year consists of fourteen parts: 1. Canada. 2. New South Wales. 3. Victoria. 4. South Australia. 5. Queensland. 6. Western Australia. 7. Tasmania. 8. New Zealand. 9. Cape Colony. 10. Natal. 11. Transvaal. 12. Orange River Colony. 13. Professional handbook. 14. Emigration statutes and general handbook.

Ireland, Alleyne, 1871– 325.3 Q500

51989 The Far Eastern tropics; studies in the administration of tropical dependencies: Hong Kong, British North Borneo, Sarawak, Burma, the federated Malay states, the Straits Settlements, French Indo-China, Java, the Philippine Islands, by Alleyne Ireland . . . . Boston and New York, Houghton, Mifflin and Co., 1905.

vii, [2], 339, [1] p. fold. map (in pocket). 21cm.

"Bibliographical appendix," p. [303]–313.

"The present volume is made up of two series of articles written during my absence in the Far East. One series appeared in 'the Times' (London), the other in 'the Outlook' (New York)." — Pref.

Lucas, Charles Prestwood, 1853– 908.42 0800

3290 A historical geography of the British colonies, by C. P. Lucas, B.A. . . . . Oxford, Clarendon Press, 1888–.

Vol. 1–. maps, fold. diagr. 19½cm.

Cambridge modern history. L909 C14 909 Universal history

50161 The Cambridge modern history; planned by the late Lord Acton . . . edited by A. W. Ward, . . . , G. W. Prothero, . . . , Stanley Leathes, ... New York, London, The Macmillan Company, 1902–.

Vol. 1–. 25cm.

Bibliographies, vol. 1, p. 693–792.

Fisher, George Park. 909 F53

E9636 Outlines of universal history. Designed as a text-book and for private reading. xvi,674 p. 28 maps, 2 pl. of maps. O. New York: American Book Co., c. 1885.

Freeman, Edward Augustus. 909 F87

2917 General sketch of history. Adapted for American students. New edition, revised, ... xxxi,400 p. 16 maps. S. (Freeman's historical course for schools, vol. 1.) New York: H. Holt & Co., c. 1876.

Fyfe, H. Hamilton. 909.8 A6131

2103 Annals of our time. A record of events, social and political, home and foreign, ... Vol. 3, parts 1–2. O. London: Macmillan & Co., 1891–1892.

Contents: Part 1. June 21, 1887, to January 1, 1891. Part 2. 1891.

For preceding volumes see Irving, J. Annals of our time.

909 Universal history

Helmolt, Hans Ferdinand, 1865– , *ed.* **L909 H361**

69494 The history of the world; a survey of man's record, edited by Dr. H. F. Helmolt, with an introductory essay by the Right Hon. James Bryce . . . . New York, Dodd, Mead and Co., 1902–1907.

8 vol. illus., plates (partly col., partly fold.) ports., maps (partly fold.) facsims. (partly col., partly double.) 28cm.

"Published simultaneously in Germany, England, and the United States." — Pref. note.

Contents. — I. Pre-history. America and the Pacific Ocean. — II. Eastern Asia and Oceania. — The Indian Ocean. — III. West Asia and Africa. — IV. The Mediterranean countries. — V. South eastern and eastern Europe. — VI. Central and northern Europe. — VII. Western Europe. pt. I. — VIII. Western Europe — The Atlantic Ocean.

Irving, Joseph. **909.8 A613**

2102 The annals of our time: a diurnal of events, social and political, home and foreign, from the accession of Queen Victoria, June 20, 1837, to the Peace of Versailles, February 28, 1871. ix,[6],1033, [1] p. O. London: Macmillan & Co., 1890.

——— From February 24, 1871, to the Jubilee, June 20, 1887, [6],987–1651,[1] p. O. London: Macmillan & Co., 1889.

For continuation see Fyfe, H. H. Annals of our time.

Latimer, Elizabeth, [*born*] **Wormeley.** **909.8 L34**

28657 The last years of the nineteenth century. A continuation of "France in the nineteenth century," "Russia and Turkey in the nineteenth century," "England in the nineteeth century," "Europe in Africa in the nineteenth century," "Italy in the nineteenth century," and "Spain in the nineteenth century". [2],545 p. 25 por. O. Chicago: A. C. McClurg & Co., 1900.

Nineteenth century. **031 Q101**

29314 The 19th century; a review of progress during the past one hundred years in the chief departments of human activity. ix,494 p. O. New York: G. P. Putnam's Sons, 1901.

Contents: 1. Law and government: Nott, C. C. The immutability of the constitution. Moore, J. B. Progress of international law in the century. 2. History: Sedgwick, A. G. English political development in the century. Smith, M. Germany in the nineteenth century. Coolidge, A. C. The expansion of Russia in the nineteenth century. Bourinot, Sir J. G. Canada in the nineteenth century. Lummis, C. F. Mexico. Griffis, W. E. The century's changes in China and Japan. 3. Sociology: Heilprin, L. Geographical conquests of the nineteenth century. White, H. The gold standard and gold production in the nineteenth century. Carnegie, A. Development of steel manufacture in the United States. Cutter, C. A. Library development. Alexander, J. W. The phenomenon of American life assurance. Howe, J. W. Changes in the legal and political status of woman. Catt, C. C. Women in the industries and professions. 4. Literature and the fine arts: Trent, W. G. American literature in the nineteenth century. Gosse, E. English literature in the nineteenth century. Towse, J. R. The American theatre in the nineteenth century. Finck, H. T. The musical century. Sturgis, R. Progress of American architecture. Cox, K. Painting in the nineteenth century. 5. Education and science: Carter, F. The century's growth in higher education. Palmer, A. F. Higher education of women. Pierce, C. S. The century's great men in science. Newcomb, S. The century's advance in astronomical science. Billings, J. S. The progress of medicine in the nineteenth century. Lodge, O. Scope and tendencies of physics. Lang, A. Psychical research of the century. Stephen, L. Evolution and religious conceptions. 6. Applied science: De Vinne, T. L. Printing in the nineteenth century. Nicol, J. The birth and progress of photography. Trowbridge, J. Progress of electricity from 1800 to 1900. 7. Transportation: Chamberlain, E. T. Development of the merchant marine. Hadley, A. T. Railroad economy in the nineteenth century. Midgeley, J. W. Equipment, organisation, and operation of railroads. 8. The science of war: Maclay, E. S. Development of the navy. Wilcox, C. DeW. Changes in military science.

Ploetz, Karl, 1819–1881. 909 P72 909 Universal history

50272 Epitome of ancient, mediæval, and modern history, by Carl Ploetz. Translated with extensive additions by William H. Tillinghast. [Ninth edition, 23d impression.] Boston, New York, Houghton, Mifflin and Co., [1898?].

[2], xii, 618 p. 20cm.

Stokvis, A. M. H. J. L909 S874

17837 Manuel d'histoire, de généalogie et de chronologie de tous les états du globe, depuis les temps les plus reculés jusqu'à nos jours, ... 3 vol. tables. Q. Leide: E. J. Brill, 1888–1893.

910
GEOGRAPHY

Chisholm, George Goudie. 380.2 Q300

50285 Handbook of commercial geography, by Geo. G. Chisholm .... Fourth corrected edition, revised throughout and greatly extended. London, New York and Bombay, Longmans, Green, and Co., 1903.

xlvi, 639 p. incl. maps, charts. maps. 22½cm.

Gannett, Henry, 1846– 380.9 Q500

62006 Commercial geography, by Henry Gannett ... Carl L. Garrison ... and Edwin J. Houston .... New York, Cincinnati, [etc.], American Book Company, [c1905].

vi, 415, 30 p. illus. (incl. maps) 21cm.

Mill, Hugh Robert, *editor.* 910.2 P900

22424 The international geography. By seventy authors. xx,1089 p. 487 il. O. London: G. Newnes, 1899.

Reclus, Elisée. L910.2 0302

5794 The earth and its inhabitants. Africa. Edited by A. H. Keane. 4 vol. il. pl. maps. Q. New York: D. Appleton & Co., 1886–1889.

Contents: Vol. 1. North-east Africa. Vol. 2. North-west Africa. Vol. 3. West Africa. Vol. 4. South and east Africa.

Reclus, Elisée. L910.2 0301

5793 The earth and its inhabitants. Asia. Edited by E. G. Ravenstein and A. H. Keane. 4 vol. il. pl. maps. Q. New York: D. Appleton & Co., 1884–1885.

Contents: Vol. 1. Asiatic Russia: Caucasia, Aralo-Caspian basin, Siberia. Vol. 2. East Asia: Chinese Empire, Corea, and Japan. Vol. 3. India and Indo-China. Vol. 4. South-western Asia.

Vol. 2–4 edited by A. H. Keane.

910 Geography

Reclus, Elisée. **L910.2 0300**

5792 The earth and its inhabitants. Europe. Edited by E. G. Ravenstein. 5 vol. il. pl. maps. Q. New York: D. Appleton & Co., 1883.

Contents: Vol. 1. Greece, Turkey in Europe, Rumania, Servia, Montenegro, Italy, Spain, and Portugal. Vol. 2. France and Switzerland. Vol. 3. Austria-Hungary, Germany, Belgium, and the Netherlands. Vol. 4. The British Isles. Vol. 5. The north-east Atlantic, islands of the north Atlantic, Scandinavia, European islands of the Arctic Ocean, Russia in Europe.

Vol. 5 edited by E. G. Ravenstein and A. H. Keane.

Reclus, Elisée. **L910.2 0303**

5795 The earth and its inhabitants. North America. Edited by A. H. Keane. 3 vol. il. pl. maps. Q. New York: D. Appleton & Co., 1890–1893.

Contents: Vol. 1. British North America. Vol. 2. Mexico, Central America, West Indies. Vol. 3. The United States.

Reclus, Elisée. **L910.2 0305**

5797 The earth and its inhabitants. Oceanica. Edited by A. H. Keane. vii,512 p. 226 il. 38 pl. 5 maps. Q. New York: D. Appleton & Co., 1890.

Reclus, Elisée. **L910.2 0304**

5796 The earth and its inhabitants. South America. Edited by A. H. Keane. 2 vol. il. pl. maps. Q. New York: D. Appleton & Co., 1894–1895.

Contents: Vol. 1. The Andes regions. Vol. 2. Amazonia and La Plata.

Scobel, Albert. **910.2 P901**

24943 Geographisches Handbuch zu Andrees Handatlas mit besonderer Berücksichtigung der politischen, wirtschaftlichen und statistischen Verhältnisse. Unter Mitwirkung von R. Credner ... herausgegeben von A. Scobel. Dritte, völlig neubearbeitete Auflage. xii,994 p. 171 il. O. Bielefeld: Velhagen & Klasing, 1899.

910.3 Geographical dictionaries and gazetteers

Century cyclopedia of names. **L031 0901**

460 The Century cyclopedia of names. A pronouncing and etymological dictionary of names in geography, biography, mythology, history, ethnology, art, archæology, fiction, etc., etc., etc. Edited by Benjamin E. Smith. vii,1085 p. F. New York: Century Co., c. 1894.

910.3 Geographical dictionaries and gazetteers

[Deschamps, Pierre.] 910.3 N001

2122 Dictionnaire de géographie ancienne et moderne à l'usage du libraire et de l'amateur de livres, contenant: 1° Les noms anciens, grecs et latins, de la décadence latine et de la renaissance, ... , avec leur signification actuelle en langues vulgaires; 2° Les recherches ... sur les origines de la typographie dans toutes les villes, bourgs, abbayes d'Europe, jusqu'au XIXe siècle exclusivement; 3° Un dictionnaire français-latin des noms de lieux, destiné à servir de table. Par Un Bibliophile. viii p. 796 col. O. Paris: Firmin Didot Frères, Fils & Cie, 1870.

Published as supplement to Brunet, J. G. Manuel du libraire. Un Bibliophile is pseudonym for Pierre Deschamps.

Lippincott's new gazetteer. L910.3 Q500

69493 Lippincott's new gazetteer. A complete pronouncing gazetteer or geographical dictionary of the world, containing the most recent and authentic information respecting the countries, cities, towns, resorts, islands, rivers, mountains, seas, lakes, etc., in every portion of the globe; edited by Angelo Heilprin ... and Louis Heilprin .... Philadelphia and London, J. B. Lippincott Company, 1905.

x, 2053 p. 28^cm.

First published 1855. The present publication, printed from new type from the title-page to cover, is a new work, embodying little more than the framework of its predecessor, together with its system of pronunciation. *cf.* Publisher's note.

Longmans, Green, & Co., *publishers.* L910.3 P501

1017 Longmans' gazetteer of the world. Edited by George G. Chisholm. xii,1788 p. Q. London: Longmans, Green, & Co., 1895.

Naval encyclopædia. L359.03 O001

16267 A naval encyclopædia: comprising a dictionary of nautical words and phrases; biographical notices, and records of naval officers; special articles on naval art and science, written ... by officers and others of recognized authority in the branches treated by them. Together with descriptions of the principal naval stations and seaports of the world. 1017 p. il. Q. Philadelphia: L. R. Hamersly & Co., 1881.

Ritter, [Carl], 1779–1859. L910.3 Q400

44704 Ritters Geographisch-statistisches Lexikon über die Erdteile, Länder, Meere, Häfen, Seen, Flüsse, Inseln, Gebirge, Staaten, Städte, Flecken, Dörfer, Bäder, Kanäle, Eisenbahnen, Post- und Telegraphenämter u. s. w. Ein Nachschlagewerk über jeden geographischen Namen der Erde von irgendwelcher Bedeutung für den Weltverkehr. Neunte, vollständig umgearbeitete, sehr stark vermehrte und verbesserte Auflage. Unter der Redaktion von Johannes Penzler. Erster–[zweiter] Band. Leipzig, O. Wigand, 1904–1906.

2 vol. 28^cm.

910.3 Geographical dictionaries and gazetteers

Taylor, Isaac. 910.3 P503

3278 Names and their histories, alphabetically arranged as a handbook of historical geography and topographical nomenclature. v,[3], 392 p. D. London: Rivington, Percival & Co., 1896.

910.3 Directory of shippers

Kelly's Directory. L910.3 2

30534 c . . . . Kelly's Directory of merchants, manufacturers and shippers and guide to the export and import, shipping and manufacturing industries of the world. London, [Kelly's Directories, ltd., pref. 1901–].

Vol. 15, 18–, 1901, 1904–. 27cm.

Beginning with 1904 the Library has a copy of this directory for every alternate year.

910.7 Teaching of geography

Geikie, *Sir* Archibald, 1835– 910.7 P200

65334 The teaching of geography, suggestions regarding principles and methods for the use of teachers, by Sir Archibald Geikie . . . . Second edition. London, New York, Macmillan and Co., ltd., 1906.

xii, 205 p. 17½cm. (*Half-title:* Macmillan's geographical series.)

910.9 History of geography and explorations

Beazley, Charles Raymond, 1868– 910.9 P700

7530 The dawn of modern geography. A history of exploration and geographical science, . . . by C. Raymond Beazley, ... London, J. Murray, 1897–1906.

3 vol. 23cm.

Contents. — vol. 1. From the conversion of the Roman Empire to A. D. 900, with an account of the achievements and writings of the early Christian, Arab, and Chinese travellers and students. 1897. xvi, 538 p. 13 pl., 10 maps. — vol. 2. From the close of the ninth to the middle of the thirteenth century (c. A. D. 900–1260). 1901. xix, 651 p. 16 maps. — vol. 3. From the middle of the thirteenth to the early years of the fifteenth century (c. A. D. 1260–1420). Oxford, The Clarendon Press. 1906. xvi, 638, [2] p. 10 fold. maps, 2 facsim.

"Additional note. I. On the manuscripts of the principal texts. II. On the editions of the principal texts," vol. 1. p. 517–530. "Appendix on maps," vol. 2. p. 591–651.

Bunbury, Edward Herbert. 910.93 N900

3432 A history of ancient geography among the Greeks and Romans from the earliest ages till the fall of the Roman Empire. Second edition. 2 vol. maps. O. London: J. Murray, 1883.

Greely, Adolphus Washington. 910.92 G81

12292 Explorers and travellers. 373 p. il. 3 pl. 4 por. O. (Men of achievement.) New York: C. Scribner's Sons, 1893.

Hoare, J Douglas. 998 Q603

63972 Arctic exploration; by J. Douglas Hoare. London, Methuen & Co., [1906].

viii, 314 p. front., 18 pl., 4 maps. 22½cm.

Nordenskiöld, Adolf Erik. A910.9 O900

384 Facsimile-atlas to the early history of cartography, with reproductions of the most important maps printed in the xv and xvi centuries. Translated from the Swedish original by Johan Adolf Ekelöf and Clements R. Markham. [2],iv,[4],141 p. 84 il. 51 maps. F. Stockholm 1889.

Nordenskiöld, Adolf Erik, *Friherre.* **A910.9 P701** 910.9 History of geography and explorations

22137 Periplus. An essay on the early history of charts and sailing-directions. Translated from the Swedish original by Francis A. Bather. x,208 p. 100 il. 60 maps. F[6]. Stockholm: P. A. Norstedt & Söner, 1897.

With bibliographical notes.

Winsor, Justin. **910.9218 W73**

17156 Christopher Columbus and how he received and imparted the spirit of discovery. xi,674 p. il. O. Boston: Houghton, Mifflin & Co., 1891.

"The geographical results", p. 529–660.

Droysen, Gustav. **A911 0500** 911 Historical geography and atlases

3185 Professor G. Droysens allgemeiner historischer Handatlas ... mit erläuterndem Text. Ausgeführt von der geographischen Anstalt von Velhagen und Klasing in Leipzig, unter Leitung von Dr. Richard Andree. [4],92 p. 88 p. of maps. F[5]. Bielefeld: Velhagen & Klasing, 1886.

Freeman, Edward Augustus. **911 0001**

2553 The historical geography of Europe. Second edition. 2 vol. maps. O. London: Longmans, Green & Co., 1882.

Vol. 1: Text; vol. 2: Maps.

Kiepert, Heinrich. **L911.3 P200**

3177 Atlas antiquus. Twelve maps of the ancient world for schools and colleges. Eleventh edition, revised and enlarged. [4],27 p. 12 maps. F[4]. (Students' series.) Boston: Leach, Shewell, & Sanborn, c. 1892.

Labberton, Robert Henlopen. **L911 0600**

3540 New historical atlas and general history. xvi,213 p. 71 maps. Q. London: Macmillan & Co., 1890.

Mac Coun, Townsend. **911.73 P200**

2916 An historical geography of the United States. Revised edition. vi,[2],48 p. 23 pl. of maps. sq. D. New York: Silver, Burdett & Co. 1892.

Poole, Reginald Lane, *editor.* **L911 P600**

27094 Historical atlas of modern Europe from the decline of the Roman Empire. Comprising also maps of parts of Asia, Africa and of the New World connected with European history. [354 p.] 21 pl. of maps, 69 maps. F[4]. Oxford: Clarendon Press, [1896]–1902.

Smith, George Adam. **911.56 P600**

30910 The historical geography of the Holy Land. Especially in relation to the history of Israel and of the early church. Fourth edition. xxv,713 p. 1 il. 5 maps, 1 in pocket. O. New York: A. C. Armstrong & Son, 1898.

911 Historical geography and atlases

Smith, William, *LL.D., &* **Grove,** *Sir* **George,** *editors.* **A911.3 N400**

7264 Dr. William Smith's ancient atlas. An atlas of ancient geography, biblical & classical. To illustrate the Dictionary of the Bible and the classical dictionaries. The biblical maps from recent surveys, and the classical maps drawn by Dr. Charles Müller. [6],26 p. 43 maps. F[6]. London: J. Murray, 1874.

Spruner [von Merz], Karl. **A911 N100**

2202 Spruner-Menke Hand-Atlas für die Geschichte des Mittelalters und der neueren Zeit. Dritte Auflage von Dr. K. v. Spruners Hand-Atlas, neu bearbeitet von Dr. Th. Menke. [6],42 p. 90 maps. sq. F[4]. Gotha: J. Perthes, 1880.

Spruner [von Merz], Karl. **A911 L500**

2203 Hand-Atlas zur Geschichte Asiens, Afrika's, Amerika's und Australiens. Zweite Auflage. [6],12 p. 18 maps. sq. F[4]. Gotha: J. Perthes, 1855.

912 Atlases

Andree, Richard, 1835– **A912 Q702**

65142 Andrees Allgemeiner Handatlas in 139 Haupt- und 161 Nebenkarten nebst vollständigem alphabetischem Namenverzeichnis. Fünfte, völlig neubearbeitete und vermehrte Auflage. Jubiläumsausgabe. Herausgegeben von A. Scobel. Zweiter revidierter Abdruck. Bielefeld und Leipzig, Velhagen & Klasing, 1907.

[4], 186, [2] p. 207 (*i.e.* 109) maps (partly fold.) 45[cm].

Appleton & Co., D., *publishers.* **L912 P201**

3186 The library atlas of modern geography: ... , with a full gazetteer and indexes and ... descriptive text based on the results of the latest censuses. [228],109 p. il. 103 maps. F[4]. New York 1895.

Bartholomew, John George, & Herbertson, A. J. **A551.5 P904**

31541 Atlas of meteorology. Edited by Alexr. Buchan. .... [8],40, [2],xiv p. il. 35 pl. of maps. F[5]. (Bartholomew's Physical atlas, vol. 3.) Westminster: A. Constable & Co., 1899.

Bartholomew, John George, *ed.* **L380.9 Q700**

66957 Atlas of the world's commerce; a new series of maps with descriptive text and diagrams showing products, imports, exports, commercial conditions and economic statistics of the countries of the world. Compiled from the latest official returns at the Edinburgh Geographical Institute and edited by J. G. Bartholomew, ... London, G. Newnes, ltd., [1907].

lvi, viii (*i.e.* xii), 42, 176 p. incl. maps, table, diagr. 39[cm].
Published in 22 pts., 1906–1907.

Bartholomew, John George. L942 Q400 912 Atlases

45018 The survey gazetteer of the British Isles, topographical, statistical and commercial, compiled from the 1901 census and the latest official returns. Edited by J. G. Bartholomew, F.R.S.E., ... With appendices and special maps. London, G. Newnes, ltd., 1904.

[8], 928 p. 27cm. 64 (*i. e.* 55) pl. (partly fold., incl. maps, plans, diagrs.) 27cm.

Bartholomew, John [George]. L912 0901

3577 The library reference atlas of the world. With general index to 100,000 places. [6],209 p. 84 maps. F4. London: Macmillan & Co., 1890.

Berghaus, Hermann. L550.2 P201

12788 Atlas der Geologie. Unter beratender Mitwirkung von Prof. Dr. K. v. Zittel bearbeitet von Dr. Hermann Berghaus. .... 7 p. 14 maps. F4. (BERGHAUS' PHYSIKALISCHER ATLAS. [Dritte Ausgabe.] Abteilung 1.) Gotha: J. Perthes, 1892.

Berghaus, Hermann. L551.46 P100

13149 Atlas der Hydrographie. 5 p. 11 maps. F4. (Berghaus' physikalischer Atlas. [Dritte Ausgabe.] Abteilung 2.) .... Gotha: J. Perthes, 1891.

Century atlas. L912 Q204

50187 The Century atlas of the world; prepared under the superintendence of Benjamin E. Smith ... New York, The Century Co., [1902].

[4], xxx, [2], 401 p. incl. maps. 118 maps. 31cm.

Chisholm, George Goudie, & Leete, C. H., *editors.* L912 0900

2888 Longmans' new atlas, political and physical .... Engraved by Edward Stanford .... iv,31 p. 50 maps. Q. New York: Longmans, Green, & Co., 1892.

Cram, George F., *New York.* A912 Q800

60941 Cram's standard American railway system atlas of the world showing all the railway systems ... , express companies ... , and ... banking towns .... Accompanied by a concise and original ready reference index of the United States, Canada, Mexico and Cuba, accurately locating all counties, county seats ... , etc. Also giving the nearest post-office and railroad station for those towns that are neither a post-office nor a railroad station; latest available census figures ... telegraph stations and steamboat lines and landings. .... New York, Chicago, G. F. Cram, 1908.

610, [32] p. incl. maps. 48 x 36cm.

Drude, Oscar. L581.9 0700

12791 Atlas der Pflanzenverbreitung. 6 p. 8 maps. F4. (BERGHAUS' PHYSIKALISCHER ATLAS. [Dritte Ausgabe.] Abteilung 5.) Gotha: J. Perthes, 1887.

912 Atlases

Hann, Julius. **L551.5 O704**

12789 Atlas der Meteorologie. 12 p. 12 maps. F[4]. (BERGHAUS' PHYSIKALISCHER ATLAS. [Dritte Ausgabe.] Abteilung 3.) Gotha: J. Perthes, 1887.

Johnston, Alexander Keith, *1804–1871.* **A912 P400**

4145 The royal atlas of modern geography, exhibiting, ... the present condition of geographical discovery and research ... . With additions and corrections to the present date by T. B. Johnston. With a special index to each map. A new edition. viii,[2] p. 57 maps. F[6]. Edinburgh: W. & A. K. Johnston, 1896.

Langhans, Paul. **L912 P700**

11658 Deutscher Kolonial-Atlas. Unpaged. 30 maps. F[4]. Gotha: J. Perthes, 1897.

Marshall, William. **L591.9 O700**

12792 Atlas der Tierverbreitung. 10 p. 9 maps. F[4]. (BERGHAUS' PHYSIKALISCHER ATLAS. [Dritte Ausgabe.] Abteilung 6.) Gotha: J. Perthes, 1887.

Meyers geographischer Hand-Atlas. **L912 Q502**

51205 Meyers geographischer Hand-Atlas. Dritte, neubearbeitete und vermehrte Auflage. Mit 115 Kartenblättern, 5 Textbeilagen und alphabetischem Register aller auf den Karten und Plänen vorkommenden Namen. Leipzig und Wien, Bibliographisches Institut, 1905.

[8], vi, [2], iv, iv, ii, 244 p. 115 maps (partly fold.) 25[cm].

Rand, McNally & Co., *Chicago.* **A912 Q700**

67206 .... Rand, McNally & Co.'s enlarged business atlas and shippers' guide, containing large-scale maps of all states and territories in the United States, of the Dominion of Canada, the Republic of Mexico, Central America, the West Indies, Cuba, Porto Rico, Hawaii, the Philippines, Japan, and China, ... Complete reference maps of all countries with full and revised index to each. Chicago, U. S. A., Rand, McNally & Co., 1907.

379 (*i.e.* 413) p. incl. fold. front., illus., maps, plans, (partly fold.) 53[cm].

At head of title: Thirty-eighth edition.

Rand, McNally & Co., *Chicago.* **A912 Q701**

85786 Rand, McNally & Co.'s indexed atlas of the world with 275 illustrations. Historical — descriptive — statistical .... Vol. I–[II]. Chicago, London, [etc.], Rand, McNally & Co., 1908, [[c]1907].

2 vol. 53[cm].

On cover: Revised edition.

Contents. — vol. 1. United States. 298, [2] p. incl. maps. — vol. 2. Foreign countries. vi, [7]–265 p. incl. maps.

Stanford, Edward, *publisher.* **A912 P300** 912 Atlases

4148 Stanford's London atlas of universal geography, exhibiting the physical and political divisions of the various countries of the world. . . . . Second edition, revised and enlarged. [10],29 p. 100 maps. F[6]. London 1896.

Stieler, [Adolf], 1775–1836. **A912 Q103**

33166 Stielers Hand-Atlas. 100 Karten in Kupferstich mit 162 Nebenkarten, herausgegeben von Justus Perthes' geographischer Anstalt in Gotha. Neunte, von Grund aus neubearbeitete und neugestochene Auflage. Gotha, J. Perthes, [1901]–1905.

[8], 237 p. 100 fold. maps. 41½[cm].

U. S. A. *Department of the Interior. Census Office.* **L317.3 Q008**

62025 . . . . Statistical atlas. Prepared under the supervision of Henry Gannett, geographer of the twelfth census . . . . Washington, United States Census Office, 1903.

91 p. 207 plates (partly col., incl. maps, statistical diagrs.) 30[cm].

At head of title: Twelfth census of the United States, taken in the year 1900. William R. Merriam, director.

U. S. A. *Navy Department. Bureau of Equipment.* **L656.9 P905**

31213 *Hydrographic Office. Division of Chart Construction.* Tracks for full powered steam vessels with the shortest navigable distances in nautical miles. [Chart] no. 1262. 77x121 cm. Q. Washington, D. C., 1900.

Winsor, Justin. **973.2 P500**

17242 The Mississippi basin. The struggle in America between England and France, 1697–1763. ix,484 p. il. O. Boston: Houghton, Mifflin & Co., 1895.

Murphy, Richard J , *comp.* **977.316 Q404** 912.773 Map of Chicago

46901 Chicago at a glance. A condensed and complete guide of the western metropolis, containing a fine colored street number map, showing the new city limits: the grounds on which the World's Columbian Exposition was held; the location of streets, parks, boulevards, railroads, electric suburban railways and street car lines. . . . . Compiled and revised to date by Richard J. Murphy. Chicago, E. R. Walsh, [1904?].

122, [12] p. illus. 18[cm].

Blank pages at end, for memoranda.

Advertisements, p. [1–12].

———. Blanchard's Map of Chicago with the new street names. [Chicago, 1904?]

96 x 60½[cm]., bound 24½[cm].

Ely, Talfourd. **913 P001** 913 Archaeology

9082 Manual of archæology. . . . . xii,272 p. 113 il. 1 pl. O. New York: G. P. Putnam's Sons, 1890.

"Books recommended", at the beginning of each chapter.

920
BIOGRAPHY

A. L. A. portrait index. **016.92 A111**

61933 ... A. L. A. portrait index. Index to portraits contained in printed books and periodicals, compiled with the cooperation of many librarians and others for the Publishing Board of the American Library Association. Edited by William Coolidge Lane ... and Nina E. Browne .... Washington, Gov't Print. Off., 1906.
lxxiv, [2], 1600, [2] p. 25cm.
At head of title: Library of Congress.

Cates, William Leist Redwin. **L920.01 C28**

171 A dictionary of general biography. Third edition, ... completed to the present time. viii,1484 p. O. London: Longmans, Green, & Co., 1881.

Century cyclopedia of names. **L031 0901**

460 The Century cyclopedia of names. A pronouncing and etymological dictionary of names in geography, biography, mythology, history, ethnology, art, archæology, fiction, etc., etc., etc. Edited by Benjamin E. Smith. vii,1085 p. F. New York: Century Co., c. 1894.

Chambers's biographical dictionary. **920.01 C35**

15300 Chambers's biographical dictionary. The great of all times and nations. Edited by David Patrick and Francis Hindes Groome. 1002 p. O. Philadelphia: J. B. Lippincott Co., 1898.

Gubernatis, Angelo de. **L920.01 G93**

8728 Dictionnaire international des écrivains du jour. 3 vol. Q. Florence: L. Niccolai, 1890–1891.
Vol. 1 published in 1891.

Nouvelle biographie. **920.01 N85**

1990 a Nouvelle biographie générale depuis les temps les plus reculés jusqu'à nos jours, avec les renseignements bibliographiques et l'indication des sources à consulter; publiée par MM. Firmin Didot frères, sous la direction de M. le Dr. Hoefer. Tome premier–[quarante-sixième]. Paris, F. Didot frères, fils et cie, 1855–1885.
46 vol. in 23. 23cm.
Vol. 1 published in 1862.

Men and women. **920.01 M52**

1736 Men and women of the time. A dictionary of contemporaries. .... Revised and brought down to the present time .... Vol. 14–15. 1895–1899. O. London: G. Routledge & Sons, 1895–1899.
Edited by Victor G. Plarr.

Michaud, [Joseph François, & Michaud, L. G.], *editors.* **L920.01 M58** 920 Biography

2000 Biographie universelle (Michaud) ancienne et moderne, ... Nouvelle édition, . . . revue, . . . ; ouvrage rédigé par une société de gens de lettres et de savants. 45 vol. Q. Paris: Madame C. Desplaces, 1854–[1857].

Pittsburg. Carnegie Library. **016.92 P685**

50195 Contemporary biography, references to books and magazine articles on prominent men and women of the time; compiled by Agnes M. Elliott. Pittsburg, Carnegie Library, 1903.

171 p. 23cm.

"Appeared first in the Monthly bulletin . . . from May, 1899, to November, 1900 . . . revised and brought down to Sept. 1, 1902."

Classed lists with index of names.

Pratt, Alfred T. Camden, *editor.* **L920.01 P88**

16547 People of the period. Being a collection of the biographies of upwards of six thousand living celebrities. 2 vol. Q. London: N. Beeman, 1897–[1898].

Sanders, Lloyd Charles, *editor.* **920.01 S215**

461 Celebrities of the century. Being a dictionary of men and women of the nineteenth century. vi,[2],1077 p. O. London: Cassell & Co., 1887.

Thomas, Joseph, 1811–1891. **L920.01 T362**

62000 Universal pronouncing dictionary of biography and mythology, by Joseph Thomas . . . . New third edition, thoroughly revised. . . . . Philadelphia, London, J. B. Lippincott Company, 1905.

2 vol. 50 port. 27½cm.

Paged continuously; vol. 1: [6], iii–xi, [3], 5–1278 p.; vol. 2: [2], 1279–2550 p.

Vapereau, Gustave. **L920.01 V41**

1020 Dictionnaire universel des contemporains, contenant toutes les personnes notables de la France et des pays étrangers, ... Sixième édition . . . augmentée. [2],iii,[1],1629 p. Q. Paris: Librairie Hachette & Cie, 1893.

——— Supplément . . . . [4],103 p. Q. Paris: Librairie Hachette & Cie, 1895.

Bound together.

Vapereau, Gustave. **L920.01 V411**

17984 Dictionnaire universel des littératures. Contenant, I, des notices sur les écrivains de tous les temps et de tous les pays . . . ; II, la théorie et l'historique des différents genres de poésie et de prose, ... III, la bibliographie générale et particulière, ... Seconde édition, revue et augmentée d'un supplément. xvi,2096,25 p. Q. Paris: Hachette & cie, 1884.

920.03 Greek and Roman biography

Smith, William, *LL. D.* **920.03 S664**

5809 Dictionary of Greek and Roman biography and mythology. 3 vol. il. O. London: Taylor, Walton, & Maberly, 1849–1851.

920.041 Scottish biography

Irving, Joseph. **920.041 I72**

12967 The book of Scotsmen eminent for achievements in arms and arts, church and state, law, legislation, and literature, commerce, science, travel, and philanthropy. ix,573,[2] p. O. Paisley: A. Gardner, 1881.

920.042 English biography

Boase, Frederic. **L920.042 B63**

12581 Modern English biography containing many thousand concise memoirs of persons who have died since the year 1850, with an index of the most interesting matter. 3 vol. Q. Truro: for the author, 1892–1901.

Only 250 copies printed.

Dictionary. **920.042 D56**

1199 Dictionary of national biography. Edited by Leslie Stephen [and Sidney Lee]. Vol. 1–[63]. . . . . New York, vol. 1–48, Macmillan and Co.; vol. 49–63, The Macmillan Company; London, Smith, Elder & Co., 1885–1901.

63 vol. front. (port.) 24cm.

"A list of writers" of the articles at beginning of each volume.

Vol. 1–21 edited by Leslie Stephen; vol. 22–26, by L. Stephen and Sidney Lee; vol. 27–63, by S. Lee.

"The Dictionary of national biography. A statistical account," vol. 63, p. [v]–xxii.

———. Supplement . . . . (Edited by Sidney Lee.) New York, London, 1901.

3 vol. front. (port.) 24cm.

"Memoir of George Smith," vol. 1, p. [ix]–xlix.

———. Index and epitome. Edited by Sidney Lee. New York, London, 1903.

vii, 1456 p. 24cm.

———. Errata. New York, London, 1904.

vi, 299, [1] p. 24cm.

Sharp, Robert Farquharson, 1864– **920.042 S5311**

50165 A dictionary of English authors, biographical and bibliographical, by R. Farquharson Sharp. Being a compendious account of the lives and writings of upwards of 800 British and American writers from the year 1400 to the present time. New edition (revised) with an appendix bringing the whole up to date and including a large amount of new matter. London, K. Paul, Trench, Trübner & Co., ltd., 1904.

[6], 363 p. 20½cm.

Who's who. 920.01 W62 920.042 English biography

12423 Who's who? An annual biographical dictionary. Continued from vol. 50. 1898. D. London 1898–.

Vol. 50–51 edited by Douglas Sladen.

Vol. 50, with no subtitle, is also called New issue, vol. 2.

Men and women of the time was incorporated with vol. 53.

Allgemeine deutsche Biographie. 920.043 M92 920.043 German biography

1991 Allgemeine deutsche Biographie. Auf Veranlassung ... seiner Majestät des Königs von Bayern ... herausgegeben durch die Historische Commission bei der Königl. Akademie der Wissenschaften. Leipzig, Duncker & Humblot, 1875–.

Vol. 1–. 24½cm.

Vol. 1–42, edited by R. von Liliencron and F. X. Wegele; vol. 43–, by R. von Liliencron.

Contents. — vol. 1–45. A–Z. 1875–1900. 45 vol. — vol. 46–. Nachträge bis 1899: A–. 1902–.

Dictionnaire national. L920.044 D56 920.044 French biography

24501 Dictionnaire national des contemporains. Contenant les notices ... de toutes les personnalités vivantes, françaises ou demeurant en France, qui se sont fait connaître .... Ouvrage rédigé et tenu à jour par un groupe d'écrivains, savants, artistes et hommes politiques sous la direction de C.-E. Curinier. Vol. 1–. sq.Q. Paris: B. Brunel & Co., [1900–].

Contains bibliographies of author biographees.

Glaeser, Ernest, *editor.* L920.044 G45

1322 Biographie nationale des contemporains, rédigée par une société de gens de lettres. 4,834 p. Q. Paris: Glaeser & Cie, 1878.

Brussels. Académie royale des sciences, des lettres et des beaux-arts. 920.0493 B83 920.0493 Belgian biography

2309 Biographie nationale, publiée par l'Académie royale des sciences, des lettres et des beaux-arts de Belgique. Vol. 1–. O. Bruxelles 1866–.

Adams, Oscar Fay. 920.073 A2162 920.07 American biography

61982 A dictionary of American authors, by Oscar Fay Adams .... Fifth edition, revised and enlarged. Boston and New York, Houghton, Mifflin and Co., 1905, [1904].

viii, [2], 587, [1] p. 21½cm.

Appletons' cyclopædia. L920.07 A649

177 Appletons' cyclopædia of American biography. Edited by James Grant Wilson and John Fiske. 7 vol. il. por. Q. New York: D. Appleton & Co., 1894–1900.

Vol. 1–6 published in 1894; vol. 7 published in 1900 as a supplementary volume, edited by James Grant Wilson.

Lamb's biographical dictionary. L920.073 L16

21444 Lamb's biographical dictionary of the United States. Edited by John Howard Brown. [University edition.] Vol. 1–. il. por. Q. Boston, Mass.: J. H. Lamb Co., 1900–.

920.07 American biography

Men. 920.073 M52

59248 Men of America. A biographical dictionary of contemporaries. Edited by John W. Leonard. New York City, L. R. Hamersly & Co., 1908, [c1907].
[4], 2188 p. 22cm.

National cyclopædia. L920.073 N21

54983 The national cyclopædia of American biography, being the history of the United States as illustrated in the lives of the founders, builders, and defenders of the republic, and of the men and women who are doing the work and moulding the thought of the present time; edited by distinguished biographers, selected from each state, revised and approved by the most eminent historians, scholars, and statesmen of the day. Vol. 1–[14]. New York, J. T. White & Company, 1893–1907, [c1891–1907].
14 vol. fronts., illus., ports. 28½cm.
Vol. 1–5, 7, 9, revised.
Vol. 1: 1898.
Card index to topics has shelf number **L920.073 N211**

Who's who in America. 920.073 W62

17908 Who's who in America. A biographical dictionary of notable living men and women of the United States. . . . . Established, 1899, by Albert Nelson Marquis. . . . . Chicago, A. N. Marquis & Co., [c1899–].
Continued from vol. 1, 1899–1900. 20cm.
Subtitle varies slightly.
Edited by John W. Leonard.

920.071 Canadian biography

Canadian men and women. 920.071 M82

15159 The Canadian men and women of the time: a hand-book of Canadian biography. Edited by Henry James Morgan. First edition. xii,1117,[1] p. D. Toronto: W. Briggs, 1898.

Rose, George Maclean, *editor.* 920.071 R72

30247 A cyclopaedia of Canadian biography: being chiefly men of the time. A collection of persons distinguished in professional and political life; leaders in the commerce and industry of Canada, and successful pioneers. xvi,816 p. O. (Rose's National biographical series, vol. 2.) Toronto: Rose Publishing Co., 1888.
Cover title reads: Representative Canadians.

920.0747 Who's who in New York

Who's who. 920.0747 W62

42114 Who's who in New York city and state, containing authentic biographies of New Yorkers who are leaders and representatives in various departments of worthy human achievement . . . . First edition, 1904. New York, L. R. Hamersly Company, [c1904].
1 vol. 24cm.

Book. 920.0773 B64 920.0773 Biography of Chicagoans

62005 The book of Chicagoans; a biographical dictionary of leading living men of the city of Chicago; . . . . Chicago, A. N. Marquis & Co., 1905–.

Continued from vol. 1. 24½cm.
Edited by John W. Leonard.

Directory. 650.9773 1

45698 Directory of directors in the city of Chicago. Chicago, The Audit Company of New York, 1904–1906.

Vol. 4, 6, 1904, 1906. 20cm.

Mackail, John William. 920.159 M19 920.159 Wm. Morris

17920 The life of William Morris. New impression. 2 vol. pl. por. O. London: Longmans, Green & Co., 1899.

Aristoteles. 185.1 1 921 Biography of philosophers

10607 The politics and economics of Aristotle, translated, with notes, original and selected, and analyses. To which are prefixed, an introductory essay and a life of Aristotle, by Dr. Gillies. By Edward Walford. [6],lxxx,338,[2] p. D. [Bohn's classical library.] London: G. Bell & Sons, 1881.

Grote, George. 185.1 G91

95 Aristotle. Edited by Alexander Bain and G. Croom Robertson. Third edition. xvi,681 p. O. London: J. Murray, 1883.

Mahaffy, John Pentland. 194.22 M27

10731 Descartes. vi,211 p. 1 por. S. [Philosophical classics for English readers.] Philadelphia: J. B. Lippincott & Co., 1881.

Kant, Immanuel. 171 F1

10597 Kant's Critique of practical reason and other works on the theory of reason. Translated by Thomas Kingsmill Abbott. Being an enlarged edition of "Kant's Theory of ethics." With memoir. lxiv,438,[2] p. 1 por. D. London: Longmans, Green & Co., 1879.

Locke, John. 153 E2

9606 An essay concerning human understanding. Collated and annotated, with prolegomena, biographical, critical, and historical, by Alexander Campbell Fraser. 2 vol. por. O. Oxford: Clarendon Press, 1894.

Mill, John Stuart. 192.57 M59

848 Autobiography. vi,313 p. O. New York: H. Holt & Co., 1873.

Almanach. 034 1 923 Biography of sociologists, etc.

33214 Almanach de Gotha. Annuaire généalogique, diplomatique et statistique. Gotha, J. Perthes, [préf. 1872–].

Continued from vol. 110, 1873. fronts., ports. 13cm.–15cm.
Vol. 111, title-page, vol. 112, 113, 114, 118, 120, 124, 126, 134, wanting.

923 Biography of sociologists, etc.

Elster, Ludwig, *editor.* **L330.3 P800**

22794 Wörterbuch der Volkswirtschaft. . . . . 2 vol. Q. Jena: G. Fischer, 1898.

"Litteratur" with each subject.

Biographical sketches scattered through the work.

Farrer, James Anson. **343 0001**

14435 Crimes and punishments. Including a new translation of Beccaria's 'Dei delitti e delle pene.' x,[2],251 p. D. London: Chatto & Windus, 1880.

Contents: 1. Beccaria's life and character. 2. The general influence of Beccaria on legislation. 3. The influence of Beccaria in England. 4. The problems of penology. Beccaria's 'Crimes and punishments,' translated.

Say, Léon, & Chailley-Bert, Joseph. **L330.3 P100**

18138 Nouveau dictionnaire d'économie politique . . . . 2 vol. and supplement. Q. Paris: Guillaumin et Cie, 1893–1897.

"Bibliographie", at the end of the most important articles and also in the Table analytique, vol. 2, p. 1265–1345.

Wilson, James Grant, *editor.* **923.173 W69**

12239 The presidents of the United States. 1789–1894. By John Fiske, . . . , and others. xii,526 p. il. 23 por. 23 facsim. O. New York: D. Appleton & Co., 1894.

Reprinted from *Appleton's cyclopædia of American biography.*

923.7 Biography of educators

Fitch, *Sir* **Joshua [Girling].** **370.9204 F55**

7844 Thomas and Matthew Arnold and their influence on English education. ix,277 p. D. [Great educators.] New York: C. Scribner's Sons, 1897.

Laurie, Simon Somerville. **370.9218 L37**

6485 John Amos Comenius, Bishop of the Moravians: his life and educational works. Reading-circle edition, with a new bibliography . . . . 272 p. il. 1 pl. D. (School bulletin publications.) Syracuse, N. Y.: C. W. Bardeen, 1892.

Hughes, Thomas, *S. J.* **370.9252 H87**

13158 Loyola and the educational system of the Jesuits. ix,302 p. D. (Great educators.) New York: C. Scribner's Sons, 1892.

Hinsdale, Burke Aaron. **370.9254 H59**

12968 Horace Mann and the common school revival in the United States. vii,326 p. D. (Great educators.) New York: C. Scribner's Sons, 1898.

Guimps, Roger de. **370.9267 G94**

3393 Pestalozzi: his life and work. Authorized translation from the second French edition, by J. Russell. . . . . xix,[3],438 p. D. (International education series, vol. 14.) New York: D. Appleton & Co., 1890.

Davidson, Thomas. 370.9275 D28 923.7 Biography of educators

12961 Rousseau and education according to nature. vii,253 p. D. (Great educators.) New York: C. Scribner's Sons, 1898.

Greely, Adolphus Washington. 910.92 G81 923.9 Biography of explorers

12392 Explorers and travellers. 373 p. il. 3 pl. 4 por. O. (Men of achievement.) New York: C. Scribner's Sons, 1893.

Winsor, Justin. 910.9218 W73

17156 Christopher Columbus and how he received and imparted the spirit of discovery. xi,674 p. il. O. Boston: Houghton, Mifflin & Co., 1891.

"The geographical results", p. 529–660.

Cattell, James McKeen, 1860– , *ed.* L509.2 C29 925 Biography of scientists

63964 American men of science; a biographical directory, edited by J. McKeen Cattell. New York, The Science Press, 1906.

vii, 364 p. 26cm.

Garnett, William. 530.92 G18

16947 Heroes of science. Physicists. . . . . vii,339 p. D. London: Society for Promoting Christian Knowledge, pref. 1885.

Geikie, *Sir* Archibald, 1835– 550.92 G271

50216 The founders of geology, by Sir Archibald Geikie . . . . Second edition. London and New York, Macmillan and Co., ltd., 1905.

xi, 486 p. 23½cm.

Muir, Matthew Moncrieff Pattison. 540.92 M89

16948 Heroes of science. Chemists. . . . . vii,332 p. 8 il. D. London: Society for Promoting Christian Knowledge, 1883.

Naturalists' universal directory. 570.92 N21

13090 The Naturalists' universal directory. Containing the names, addresses and special subjects of study, of professional and amateur naturalists in all parts of the world. . . . . Boston, S. E. Cassino, 1877–1905.

[1877], 1880–[1881, 1883], 1898, 1904. 6 vol. 19½cm.–22½cm.

[1881–1883], 1885, 1888, title reads: The International scientists' directory. Containing the names, . . . , of . . . naturalists, . . . , in America, Europe, Asia, Africa, and Oceanica; 1892, 1894, 1896, The Scientists' international directory; 1898, The Naturalists' directory. Containing the names, addresses and special departments of study, etc., of . . . naturalists, chemists, physicists, astronomers etc., etc., of the United States and Canada. . . . .

Compiled by S. E. Cassino.

Subtitle varies slightly.

1877 published in Salem, Mass.

1887, 1889, 1897, never published.

925 Biography of scientists

Poggendorff, Johann Christian, 1796–1877. **L509.2 P75**

11820 Biographisch-literarisches Handwörterbuch zur Geschichte der exacten Wissenschaften. Enthaltend Nachweisungen über Lebensverhältnisse und Leistungen von Mathematikern, Astronomen, Physikern, Chemikern, Mineralogen, Geologen usw. aller Völker und Zeiten gesammelt von J. C. Poggendorff . . . . Erster–[vierter] Band. Leipzig, J. A. Barth, 1863–1904.

4 vol. in 5. 26cm.

Vol. 3–4 title reads: J. C. Poggendorff's Biographisch-literarisches Handwörterbuch . . . .

Vol. 3: (1858 bis 1883.) Herausgegeben von Dr. B. W. Feddersen und Prof. Dr. A. J. von Oettingen; vol. 4: (Die Jahre 1883 bis zur Gegenwart umfassend.) Herausgegeben von Prof. Dr. Arthur von Oettingen.

Youmans, William Jay, *editor.* **509.2 Y8**

5135 Pioneers of science in America. Sketches of their lives and scientific work. . . . . viii,508 p. 5 il. 49 por. O. New York: D. Appleton & Co., 1896.

Reprinted with additions from the *Popular Science Monthly.*

Audubon, Maria R. **590.9205 A9161**

11981 Audubon and his journals. With zoölogical and other notes by Elliott Coues. 2 vol. pl. por. facsim. O. New York: C. Scribner's Sons, 1897.

Roscoe, *Sir* **Henry Enfield.** **540.9221 R71**

10987 John Dalton and the rise of modern chemistry. 216 p. il. 1 por. 2 facsim. D. (Century science series.) London: Cassell & Co., 1895.

Bonney, Thomas George. **550.9252 B64**

12860 Charles Lyell and modern geology. 224 p. 1 por. D. (Century science series.) London: Cassell & Co., 1895.

926 Industrial biography

Biographical directory. **656.092 B96**

4323 The Biographical directory of the railway officials of America. . . . . Chicago, Railway Age Co., 1885–1906.

Vol. 1–6, 1885–1906. fronts., ports. 22½cm.–24½cm.

1885, 1887, edited by E. H. Talbott & H. R. Hobart; 1893, 1896, 1901, 1906, by T. A. Busbey.

1893, 1896, published by the Railway Age and Northwestern Railroader.

Vol. 5, 1901, wanting.

Jones, Evan Rowland. **609.2 J71**

17260 Heroes of industry. Biographical sketches. 324 p. 16 por. D. London: Sampson Low, . . . & Rivington, 1886.

Smith, George Barnett. **609.2 S648**

17199 Leaders of modern industry. Biographical sketches. vi,477 p. D. London: W. H. Allen & Co., 1894.

Contents: The Stephensons. Charles Knight. Sir George Burns. Sir Josiah Mason. The Wedgwoods. Thomas Brassey. The Fairbairns. Sir William Siemens. The Rennies.

Universal directory. 656.092 U58 926 Industrial biography

30964 The Universal directory of railway officials, ... London, The Directory Publishing Company, ltd., 1901–[1907].

Vol. 7, 13, 1901, 1907. 21½cm.

Edited by S. Richardson Blundstone.

Baker, Theodore, *editor.* 780.92 B17 927 Biography of artists and musicians

21045 A biographical dictionary of musicians. With portraits from drawings in pen and ink by Alex. Gribayédoff. vii,653 p. il. O. New York: G. Schirmer, 1900.

Brown, James Duff, & Stratton, Stephen S. 780.92 B81

13587 British musical biography: a dictionary of musical artists, authors and composers, born in Britain and its colonies. [4],ii,[2],462, [2] p. O. Birmingham: S. S. Stratton, 1897.

Bryan, Michael, 1757–1821. L750.92 B841

61994 Bryan's dictionary of painters and engravers. New edition, revised and enlarged under the supervision of George C. Williamson . . . . London, G. Bell and Sons, 1903–1905.

5 vol. fronts., plates, ports. 27½cm.

Champlin, John Denison, Jr., L750.3 C35

1041 **& Perkins, Charles C.,** *editors.*

Cyclopedia of painters and painting. 4 vol. il. pl. por. sq.Q. New York: C. Scribner's Sons, 1886–1887.

Large paper edition, in 500 copies.

Grove, *Sir* **George,** 1820–1900, *ed.* 780.3 G911

62018 Grove's dictionary of music and musicians; edited by J. A. Fuller Maitland . . . . New York, London, The Macmillan Company, 1904–.

Vol. 1–. front., illus., plates, ports., facsims. 24½cm.

Gwilt, Joseph. 720.3 G99

24981 An encyclopædia of architecture, historical, theoretical, and practical. Revised, portions re-written, and with additions (in 1888) by Wyatt Papworth. New impression. xiv,1443 p. il. 1 pl. O. London: Longmans, Green & Co., 1899.

"A brief synoptical list of the principal architects, ancient and modern, with their chief works", p. 1129–1159.

"Publications relating to architecture", p. 1160–1200.

Hughes, Rupert, 1872– , *ed.* 780.2 H87

62399 The musical guide; containing a pronouncing and defining dictionary of terms, instruments, &c . . . an explanation of the construction of music for the uninitiated; a pronouncing biographical dictionary; the stories of the operas; and numerous biographical and critical essays by distinguished authorities; edited by Rupert Hughes . . . . New York, McClure, Phillips & Co., 1903.

2 vol. plates, tables, charts. 23cm.

Paged continuously; vol. 1: viii, [2], 378 p.; vol. 2: xiii, 379–807, [1] p.

927 Biography of artists and musicians

Julian, John, 1839– , *ed.* **245 P100**

44646 A dictionary of hymnology, setting forth the origin and history of Christian hymns of all ages and nations, with special reference to those contained in the hymn books of English-speaking countries, and now in common use, together with biographical and critical notices of their authors and translators and historical articles on national and denominational hymnody, breviaries, missals, primers, psalters, sequences, &c. &c. &c. Edited by John Julian, M.A. . . . . New York, C. Scribner's Sons, 1892, [c1891].

xii, 1616 p. 24½cm.

Müller, Hermann Alexander, 1814–1894. **709.2 M88**

69429 Allgemeines Künstler-Lexicon. Leben und Werke der berühmtesten bildenden Künstler. Dritte umgearbeitete und bis auf die neueste Zeit ergänzte Auflage . . . . Frankfurt a. M., Literarische Anstalt, Rütten & Loening, 1895–1901.

5 vol. 24cm.

Vol. 1: "Vorbereitet von Hermann Alexander Müller; herausgegeben von Hans Wolfgang Singer."

Vol. 2–5: "Herausgegeben von Hans Wolfgang Singer."

——— ———. Nachträge und Berichtigungen. Frankfurt a. M., 1906.

[2], 295, [5] p. 24cm.

Paine, John Knowles, Thomas, Theodore, & Klauser, Karl, *editors.* **L780.92 P16**

12350

Famous composers and their works. 4 vol. paged continuously; vol. 1: xii,1–242 p.; vol. 2: [4],243–496 p.; vol. 3: [4],497–732 p.; vol. 4: [4],733–976 p. il. pl. por. Q. Boston: J. B. Millet Co., c. 1891.

Riemann, Hugo, 1849– **780.3 R442**

63988 Musik-Lexikon, von Hugo Riemann . . . . Sechste vollständig umgearbeitete Auflage. Leipzig, M. Hesse, 1905.

xx, 1508 p. 22½cm.

Issued in 24 pts., 1904–05.

Riemann, Hugo. **780.3 R44**

4316 Dictionary of music. New edition, with many additions by the author. Translated by J. S. Shedlock. [2],895 p. il. O. London: Augener & Co., [1893].

Thieme, Ulrich, 1865– , *ed.* **L709.2 T34**

60314 Allgemeines Lexikon der bildenden Künstler von der Antike bis zur Gegenwart. Unter Mitwirkung von 300 Fachgelehrten des In- und Auslandes herausgegeben von Dr. Ulrich Thieme und Dr. Felix Becker. . . . . Leipzig, W. Engelmann, 1907–.

Vol. 1–. 27½cm.

[Waters], Clara, *born* **Erskine,** *formerly* **Clement,** **709.2 W311** 927 Biography of artists and musicians
33320 **& Hutton, Laurence.**

Artists of the nineteenth century and their works. A handbook containing two thousand and fifty biographical sketches. [Revised edition.] 2 vol. in 1. D. Boston: Houghton, Mifflin & Co., c. 1884.

Waters, *Mrs.* **Clara (Erskine) Clement,** 1834– **709.2 W31**

63986 Painters, sculptors, architects, engravers, and their works. A handbook. By Clara Erskine Clement . . . . With illustrations and monograms. Fifteenth impression. Boston and New York, Houghton, Mifflin and Co., 1899.

xlii, [2], 681 p. front., illus., 12 pl. 19½cm.

Stone, Wilbur Macey. **097 Q205**

50186 Jay Chambers, his book-plates; with XXVII examples and an essay concerning them by Wilbur Macey Stone. New York, published for the Triptych by R. R. Beam, 1902.

[20] p. 27 pl. 21cm.

"Of Jay Chambers, his book-plates, there have been made three hundred and fifty copies in November, 1902. Numbers 1 to 25 are on large paper and a portion of the plates hand-colored. Numbers 26 to 350 are on small paper. This copy is number 70."

Allibone, Samuel Austin. **L015.42 A436** 928 Biography of authors

451 A critical dictionary of English literature, and British and American authors, living and deceased, from the earliest accounts to the latter half of the nineteenth century. . . . . 3 vol. Q. Philadelphia: J. B. Lippincott Co., 1891.

Kirk, John Foster. **L015.42 A4361**

452 A supplement to Allibone's Critical dictionary of English literature and British and American authors. . . . . 2 vol. Q. Philadelphia: J. B. Lippincott Co., 1892.

Cook, Edward Tyas. **709.276 C77**

18941 Studies in Ruskin: some aspects of the work and teaching of John Ruskin. Second edition. xiv,304 p. il. 8 pl. 1 por. D. Orpington: G. Allen, 1891.

Duyckinck, Evert Augustus, **L810.92 D95**

351 **& Duyckinck, George Long.**

Cyclopædia of American literature: embracing personal and critical notices of authors, and selections from their writings, from the earliest period to the present day. 4 vol. and suppl. il. por. Q. New York: C. Scribner & Co., 1866.

Parkman, Francis. **970 P701**

8186 Works. Champlain edition. 20 vol. pl. por. facsim. maps. O. Boston: Little, Brown, & Co., 1897–1898.

Fiske, J. Introductory essay, [biographical sketch of Parkman], vol. 1, p. xi–lxxxvi.

929.4 Names

Frey, Albert Romer. 031 0800

990 Sobriquets and nicknames. iii,482 p. O. London: Whittaker & Co., [1887].

Taylor, Isaac. 910.3 P503

3278 Names and their histories, alphabetically arranged as a handbook of historical geography and topographical nomenclature. v,[3], 392 p. D. London: Rivington, Percival & Co., 1896.

929.72 Heraldry

Burke, *Sir* John Bernard, 1814–1892. L929.72 B912

62082 A genealogical and heraldic history of the landed gentry of Great Britain. By Sir Bernard Burke, ... , and Ashworth P. Burke. Eleventh edition. London, Harrison & Sons, 1906.
x, 1882 p. illus. 27½cm.

Burke, *Sir* [John] Bernard. L929.72 B91

10267 A genealogical and heraldic dictionary of the peerage and baronetage, together with memoirs of the privy councillors and knights. By Sir Bernard Burke. Vol. 60, 65. [1897, 1902.] il. Q. London 1898–1903.
Vol. 60 edited by Henry Farnham Burke; vol. 65, by Ashworth P. Burke.

929.9 Flags

Hulme, Frederic Edward. 929.9 H87

12430 The flags of the world: their history, blazonry, and associations. From the banner of the crusader to the burgee of the yachtsman; flags national, colonial, personal; the ensigns of mighty empires; the symbols of lost causes. v,152 p. 26 pl. D. London: F. Warne & Co., [1897].

930 ANCIENT HISTORY

Maspéro, Gaston. 309.3 P200

2799 Life in ancient Egypt and Assyria. From the French. xv,376 p. 188 il. D. New York: D. Appleton & Co., 1892.

Maspéro, Gaston. L930 P600

28230 The struggle of the nations: Egypt, Syria, and Assyria. Edited by A. H. Sayce. Translated by M. L. McClure. xii,794 p. il. 3 colored pl. 1 map. Q. London: Society for Promoting Christian Knowledge, 1896.

Morgan, Lewis Henry. 309.3 N700

15365 Ancient society; or, Researches in the lines of human progress from savagery through barbarism to civilization. xvi,560 p. O. New York: H. Holt & Co., 1878.

Simcox, Edith J. 309.3 P400

9095 Primitive civilizations; or, Outlines of the history of ownership in archaic communities. 2 vol. il. O. London: Swan Sonnenschein & Co., 1894.

Maspéro, Gaston. L932 P700 932 Ancient Egypt

14394 The dawn of civilization. Egypt and Chaldæa. Edited by A. H. Sayce. Translated by M. L. McClure. Third edition revised, and brought up to date by the author. xiv,800 p. il. 3 pl. 1 map. Q. New York: D. Appleton & Co., 1897.

Maspero, Gaston Camille Charles, 1846– 932 Q100

50279 Manual of Egyptian archæology and guide to the study of antiquities in Egypt. For the use of students and travellers. By G. Maspero. . . . . Translated by Amelia B. Edwards. Fifth edition, revised and enlarged by the author. With supplementary chapter by the English editor. With three hundred and thirty-six illustrations. London, H. Grevel and Co., 1902.

xxviii, 391 p. illus. (incl. plans). 19cm.

"Bibliography to the supplementary chapter," p. 367–368.

Petrie, William Matthew Flinders. 932 P600

16554 A history of Egypt. . . . . [Vol. 1–.] il. D. London: Methuen & Co., 1897–.

Various editions.

Vol. 1 published in 1899.

Smith, George Adam. 911.56 P600 933 Judea

30910 The historical geography of the Holy Land. Especially in relation to the history of Israel and of the early church. Fourth edition. xxv,713 p. 1 il. 5 maps, 1 in pocket. O. New York: A. C. Armstrong & Son, 1898.

Maspéro, Gaston. L935 P901 935 Medo-Persia

25177 The passing of the empires, 850 B. C. to 330 B. C. Edited by A. H. Sayce. Translated by M. L. McClure. xii,824 p. il. 3 pl. Q. London: Society for Promoting Christian Knowledge, 1900.

Fustel de Coulanges, [Numa Denis]. 309.3 N400 937 Rome

825 The ancient city: a study on the religion, laws, and institutions of Greece and Rome. Translated from the latest French edition by Willard Small. 529 p. O. Boston: Lee & Shepard, 1874.

Johnston, Harold Whetstone, 1859– 390.937 Q300

50192 . . . . The private life of the Romans, by Harold Whetstone Johnston . . . . Chicago, Scott, Foresman and Co., 1903.

344 p. illus. 20cm. (The Lake classical series.)

Reference books: p. 17–20. References at head of chapters.

Maine, *Sir* Henry Sumner. 321.2 N600

10995 Village-communities in the East and West. Six lectures delivered at Oxford. Seventh edition. xii,413 p. O. London: J. Murray, 1895.

Contains also the following lectures: The effects of observation of India on modern European thought. Address to the University of Calcutta. The theory of evidence. Roman law and legal education.

937 Rome

Mommsen, Theodor. 937 0800

21375 The history of Rome. Translated with the sanction of the author by William Purdie Dickson. A new edition revised throughout and embodying recent additions. 5 vol. map. O. New York: C. Scribner's Sons, 1898.

Mommsen, Theodor. 937 0100

21374 The provinces of the Roman Empire from Caesar to Diocletian. Translated with the author's sanction and additions, by William P. Dickson. With ... maps by Professor Kiepert. 2 vol. maps. O. [History of Rome.] New York: C. Scribner's Sons, 1887.

Peck, Harry Thurston, 1856– , *ed.* L937 P700

42438 Harper's dictionary of classical literature and antiquities, edited by Harry Thurston Peck, M.A., ... Illustrated. [Second edition.] New York, Cincinnati, [etc.], American Book Company, [pref. 1897, c1896].

xv, 1701 p. illus., 2 maps. 26½cm.

Ramsay, William, 1806–1865. 937 P401

69648 A manual of Roman antiquities. By William Ramsay . . . Revised or partly re-written by Rodolfo Lanciani .... Seventeenth edition. London, C. Griffin and Co., ltd., 1901.

xv, 573 p. illus., 2 pl. (incl. front.) 2 fold. plans. 20cm.
Prefatory note signed: C. L. H. Wedderburn Ogilvy.
Edited by Lanciani with the assistance of T. Edmonston Charles.
References at end of chapters II–XIV and at beginning of chapter I.

Seyffert, Oskar. L937 P400

25201 A dictionary of classical antiquities, mythology, religion, literature & art. From the German. Revised and edited, with additions, by Henry Nettleship [and] J. E. Sandys. [Fifth edition.] vi,716 p. il. Q. London: Swan Sonnenschein & Co., 1899.

Smith, William, *LL. D.*, **Wayte, William,** *&* **Marindin, G. E.** 937 P001

3396 A dictionary of Greek and Roman antiquities. Third edition, ... enlarged. 2 vol. il. O. London: J. Murray, 1890–1891.

938 Ancient Greece

Grote, George. 938 K600

13894 A history of Greece; from the earliest period to the close of the generation contemporary with Alexander the Great. A new edition. 10 vol. por. maps. D. London: J. Murray, 1888.

Mahaffy, John Pentland. 309.38 P601

19317 Greek life and thought from the death of Alexander to the Roman conquest. Second edition, corrected and considerably enlarged. xlii,669 p. D. [Social life of the Greeks, vol. 2.] London: Macmillan & Co., 1896.

Mahaffy, John Pentland. 309.38 P001 938 Ancient Greece

22006 The Greek world under Roman sway from Polybius to Plutarch. xiii,[2],418 p. D. London: Macmillan & Co., 1890.

Mahaffy, John Pentland. 309.38 N900

5526 Social life in Greece from Homer to Menander. [Seventh edition.] xvi,495 p. D. London: Macmillan & Co., 1894.

Tsountas, Chrestos, & Manatt, J. Irving. 938 P700

17789 The Mycenaean age. A study of the monuments and culture of pre-Homeric Greece. With an introduction by Dr. Dörpfeld. xxxi,417 p. 169 il. 18 pl. 4 maps. O. Boston: Houghton, Mifflin & Co., 1897.

940 EUROPE

Chisholm, George Goudie. 940 P900

20713 Europe. Vol. 1–2. il. pl. maps. D. (Stanford's compendium of geography and travel. New issue.) London: E. Stanford, 1899–1902.

Contents: Vol. 1. The countries of the mainland (excluding the north-west). xx. 736 p. il. 2 pl. 30 maps. 1899. Vol. 2. The north-west. xxviii,742 p. il. 1 pl, 13 maps. 1902.

Reclus, Elisée. L910.2 O300

5792 The earth and its inhabitants. Europe. Edited by E. G. Ravenstein. 5 vol. il. pl. maps. Q. New York: D. Appleton & Co., 1883.

Contents: Vol. 1. Greece, Turkey in Europe, Rumania, Servia, Montenegro, Italy, Spain, and Portugal. Vol. 2. France and Switzerland. Vol. 3. Austria-Hungary, Germany, Belgium, and the Netherlands. Vol. 4. The British Isles. Vol. 5. The north-east Atlantic, islands of the north Atlantic, Scandinavia, European islands of the Arctic Ocean, Russia in Europe.

Vol. 5 edited by E. G. Ravenstein and A. H. Keane.

Adams, George Burton, 1851– 309.4 P400 940.1 Mediaeval Europe

38462 Civilization during the Middle Ages, especially in relation to modern civilization. By George Burton Adams, ... New York, C. Scribner's Sons, 1901.

viii, 463 p. 21cm.

Bryce, James, 1838– 940.1 Q400

69647 The Holy Roman empire, by James Bryce .... A new edition, enlarged and revised throughout, with a chronological table of events and three maps. New York, London, The Macmillan company, 1905.

lii, [2], 575 p. 3 double maps. 21cm.

"List of books on the history of the empire which may be consulted by the student," p. 543–544.

940.6 Renaissance

Renaissance. L909 C14 v.1

61818 . . . . The renaissance. New York, London, The Macmillan Company, 1902.

xxx, [2], 807 p. 25cm. (*In* Cambridge modern history, vol. 1.)

"Bibliographies," p. 693–792.

Contents. — Creighton, M. Introductory note. — 1. Payne, E. J. The age of discovery. — 2. *same.* The new world. — 3. Bury, J. B. The Ottoman conquest. — 4. Leathes, S. Italy and her invaders. — 5. Armstrong, E. Florence (I): Savonarola. — 6. Burd, L. A. Florence (II): Machiavelli. — 7. Garnett, R. Rome and the temporal power. — 8. Brown, H. Venice. — 9. Tout, T. F. Germany and the empire. — 10. Reich, E. Hungary and the Slavonic kingdoms. — 11. Clarke, H. B. The catholic kings. — 12. Leathes, S. France. — 13. Ward, A. W. The Netherlands. — 14. Gairdner, J. The early Tudors. — 15. Cunningham, W. Economic change. — 16. Jebb, *Sir* R. C. The classical renaissance. — 17. James, M. R. The Christian renaissance. — 18. Barry, W. Catholic Europe. — 19. Lea, H. C. The eve of the reformation.

940.7 Reformation. Religious wars

Age of Louis XIV. L909 C14 v.5

61822 . . . . The age of Louis XIV. New York, The Macmillan Company, 1908.

xxxii, 971 p. 25cm. (*In* Cambridge modern history, vol. 5.)

"List of bibliographies," p. 765–917.

"Chronological table of leading events," p. 918–927.

Contents. — 1. Grant, A. J. The government of Louis XIV. — 2. Hassall, A. The foreign policy of Louis XIV. — 3. Faguet, E. French seventeenth century literature and its European influence. — 4. St. Cyres, *viscount.* The Gallican church. — 5. Firth, C. H. The Stewart restoration. — 6. Child, H. H. The literature of the English restoration, including Milton. — 7. Edmundson, G. The administration of John De Witt and William of Orange. — 8. The Anglo-Dutch wars. (1) Tanner, J. R. Naval administration under Charles II and James II. (2) Atkinson, C. T. The wars (1664–74). — 9. Pollock, J. The policy of Charles II and James II. — 10. The revolution and the revolution settlement in Great Britain. (1) Temperley, H. W. V. England. (2) Brown, P. H. Scotland from the restoration to the union of the parliaments. (3) Dunlop, R. Ireland from the restoration to the Act of resumption. — 11. Gwatkin, H. M. Religious toleration in England. — 12. Lodge, R. Austria, Poland, and Turkey. — 13. Michael, W. The treaties of partition and the Spanish succession. — 14. The war of the Spanish succession. (1) Atkinson, C. T. Campaigns and negotiations. (2) Ward, A. W. The Peace of Utrecht and the supplementary pacifications. — 15. Temperley, H. W. V. Party government under Queen Anne. — 16. Burt, J. B. Russia. — 17. Bain, R. N. Peter the Great and his pupils. — 18. Reddaway, W. F. The Scandinavian kingdoms. — 19. Bain, R. N. Charles XII and the great northern war. — 20. Ward, A. W. The origins of the kingdom of Prussia. — 21. *same.* The Great Elector and the first Prussian king. — 22. The colonies and India. (1) Benians, E. A. The colonies. (2) Roberts, P. E. India. — 23. European science in the seventeenth and earlier years of the eighteenth centuries. (1) Ball, W. W. R. Mathematical and physical science. (2) Foster, *Sir* M. Other branches of science. — 24. Kaufmann, M. Latitudinarianism and pietism.

Reformation. L909 C14 v.2 940.7 Reformation. Religious wars

61819 . . . . The reformation. New York, London, The Macmillan Company, 1904.

xxv, [3], 857 p. 25cm. (*In* Cambridge modern history, vol. 2.)

"Bibliographies," p. 719–828.

"Chronological table of leading events," p. 829–834.

Contents. — Kraus, F. X. Medicean Rome. — 2.–3. Leathes, S. Habsburg and Valois. — 4. Lindsay, T. M. Luther. — 5. Pollard, A. F. National opposition to Rome in Germany. — 6. *same.* Social revolution and catholic reaction in Germany. — 7. *same.* The conflict of creeds and parties in Germany. — 8. *same.* Religious war in Germany. — 9. Tilley, A. A. The reformation in France. — 10. Whitney, J. P. The Helvetic reformation. — 11. Fairbairn, A. M. Calvin and the reformed church. — 12. Collins, W. E. The catholic south. — 13. Gairdner, J. Henry VIII. — 14. Pollard, A. F. The reformation under Edward VI. — 15. Mullinger, J. B. Philip and Mary. — 16. Maitland, F. W. The Anglican settlement and the Scottish reformation. — 17. Collins, W. E. The Scandinavian north. — Leathes, S. Note on the reformation in Poland. — 18. Laurence, R. V. The church and reform. — 19. Fairbairn, A. M. Tendencies of European thought in the age of the reformation.

Thirty years' war. L909 C14 v.4

61821 . . . . The thirty years' war. New York, The Macmillan Company, 1906.

xxix, 1003 p. 25cm. (*In* Cambridge modern history, vol. 4.)

"List of bibliographies," p. 801–953.

"Chronological table of leading events," p. 954–961.

Contents. — 1. Ward, A. W. The outbreak of the thirty years' war. — 2. Brown, H. F. The Valtelline. — 3. *same.* The protestant collapse. — 4. Leathes, S. Richelieu. — 5. Reddaway, W. F. The Vasa in Sweden and Poland. — 6. Ward, A. W. Gustavus Adolphus. — 7. *same.* Allenstein and Bernard of Weimar. — 8. Prothero, G. W. The constitutional struggle in England. — 9. *same.* The first two years of the Long Parliament. — 10. *same.* The first civil war, 1642–7. — 11. *same* & Lloyd, E. M. Presbyterians and independents. — 12. Shaw, W. A. The Westminster Assembly. — 13. Ward, A. W. The later years of the thirty years' war. — 14. *same.* The Peace of Westphalia. — 15. Shaw, W. A. The Commonwealth and the Protectorate. — 16. Tanner, J. R. The navy of the Commonwealth and the first Dutch war. — 17. Brown, P. H. Scotland from the accession of Charles I to the restoration. — 18. Dunlop, R. Ireland, from the plantation of Ulster to the Cromwellian settlement. — 19. Firth, C. H. Anarchy and the restoration. — 20. Reddaway, W. F. The Scandinavian north. — 21. Leathes, S. Mazarin. — 22. Hume, M. Spain and Spanish Italy under Philip III and IV. — 23. Brosch, M. Papal policy, 1590–1648. — 24. Edmundson, G. Frederick Henry, prince of Orange. — 25. Egerton, H. E. The transference of colonial power to the United Provinces and England. — 26. Brock, A. Clutton-. The fantastic school of English poetry. — 27. Boutroux, E. Descartes and Cartesianism.

940.7 Reformation. Religious wars

Wars. L909 C14 v.3

61820 . . . . The wars of religion. New York, London. The Macmillan Company, 1905.

xxvii, [2], 914 p. 25cm. (*In* Cambridge modern history, vol. 3.)

"List of bibliographies," p. 771–873.

"Chronological table of leading events," p. 874–880.

Contents. — 1. Butler, A. J. The wars of religion in France. — 2. Tilley, A. A. French humanism and Montaigne. — 3. Bain, R. N. The catholic reaction, and the Valois and Báthory elections, in Poland. — 4. Brosch, M. The height of the Ottoman power. — 5. Ward, A. W. The empire under Ferdinand I and Maximilian II. — 6. Edmundson, G. The revolt of the Netherlands. — 7. *same.* William the Silent. — 8. Law, T. G. Mary Stewart. — 9. Laughton, J. K. The Elizabethan naval war with Spain. — 10. Lee, S. The last years of Elizabeth. — 11. *same.* The Elizabethan age of English literature. — 12. Armstrong, E. Tuscany and Savoy. — 13. Balzani, U., *count.* Rome under Sixtus V. — 14. Butler, A. J. The end of the Italian renaissance. — 15. Hume, M. Spain under Philip II. — 16. *same.* Spain under Philip III. — 17. Gardiner, S. R. Britain under James I. — 18. Dunlop, R. Ireland to the settlement of Ulster. — 19. Edmundson, G. The Dutch Republic. — 20. Leathes, S. Henry IV of France. — 21. Ward, A. W. The empire under Rudolf II. — 22. Figgis, J. N. Political thought in the sixteenth century.

940.8 French Revolution

French revolution. L909 C14 v.8

61824 . . . . The French revolution. New York, London, The Macmillan Company, 1904.

xxvii, 875 p. 25cm. (*In* Cambridge modern history, vol. 8.)

"Bibliographies," p. 791–850.

"Chronological table of leading events," p. 851–858.

Contents. — 1. Willert, P. F. Philosophy and the revolution. — 2. Montague, F. C. The government of France. — 3. Higgs, H. Finance. — 4. Montague, F. C. Louis XVI. — 5. *same.* The elections to the States General. — 6. *same.* The National Assembly, and the spread of anarchy. — 7. *same.* The constitution of 1791. — 8. Macdonald, J. R. M. The Legislative Assembly. — 9. *same.* The National Convention to the fall of the Gironde. — 10. Browning, O. The foreign policy of Pitt to the outbreak of war with France. — 11. Lodge, R. The European powers and the eastern question. — 12. Macdonald, J. R. M. The Terror. — 13. *same.* The thermidorian reaction and the end of the Convention. — 14. Pattison, R. P. Dunn-. The general war. — 15. Wilson, H. W. The naval war. — 16. Fortescue, G. K. The Directory. — 17. Lodge, R. The extinction of Poland, 1788–97. — 18. Rose, J. H. Bonaparte and the conquest of Italy. — 19. *same.* The Egyptian expedition. — 20. Wilson, H. W. The struggle for the Mediterranean. — 21. Rose, J. H. The second coalition. — 22. Fisher, H. A. L. Brumaire. — 23. Higgs, H. Revolutionary finance. — 24. Viollet, P. French law in the age of the revolution. — 25. Gooch, G. P. Europe and the French revolution.

Napoleon. L909 C14 v.9 940.8 French Revolution

61825 . . . . Napoleon. New York, London, The Macmillan Company, 1906.

xxviii, 946 p. 25cm. (*In* Cambridge modern history, vol. 9.)

"Bibliographies," p. 773–893.

"Chronological table of the principal events," p. 894–899.

Contents. — 1. Pariset, G. The Consulate, 1799–1804. — 2. Walker, T. A. & Wilson, H. W. The armed neutrality, 1780–1801. — 3. Guilland, A. The pacification of Europe, 1799–1802. — 4. *same*. France and her tributaries, 1801–3. — 5. Pariset, G. France under the Empire, 1804–14. — 6. Fisher, H. A. L. The codes. — 7. Legg, L. G. Wickham-. The concordats. — 8. Wilson, H. W. The command of the sea, 1803–15. — 9–10. Lloyd, E. M. The third coalition, 1805–7. — 11. Rose, J. H. The Napoleonic empire at its height, 1807–9. — 12. Keim, A. The war of 1809. — 13. Rose, J. H. The continental system, 1809–14. — 14. The French dependencies and Switzerland, 1800–14. (1) Fisher, H. A. L. The French dependencies. (2) Guilland, A. Switzerland. — 15. Oman, C. W. The peninsular war, 1808–14. — 16. Stschepkin, E. Russia under Alexander I, and the invasion of 1812. — 17. Pflugk-Harttung, J. von. The war of liberation, 1813–4. — 18. Fisher, H. A. L. The first restoration, 1814–5. — 19. Ward, A. W. The Congress of Vienna. I. 1814–5. — 20. Oman, C. W. The hundred days, 1815. — 21. Ward, A. W. The Congress of Vienna. II. 1815. — 22. Gooch, G. P. Great Britain and Ireland, 1792–1815. — 23. The British Empire, 1783–1815. (1) Hutton, W. H. India and Ceylon. (2) Egerton, H. E. The colonies. — 24. Fisher, H. A. L. St. Helena.

Andrews, Charles McLean. 940.9 P601 940.9 Modern Europe

26951 The historical development of modern Europe from the Congress of Vienna to the present time. . . . . Second edition. 2 vol. maps, table. O. London: G. P. Putnam's Sons, 1899.

Fyffe, Charles Alan. 940.9 O001

5124 A history of modern Europe. . . . . 3 vol. maps. O. New York: H. Holt & Co., 1890–1891, pref. 1883–1886.

Vol. 1 in second edition, revised, published in 1891, pref. 1883.

Restoration. L909 C14 v.10

61826 . . . . The restoration. New York, The Macmillan Company, 1907.

xxix, 936 p. 25cm. (*In* Cambridge modern history, vol. 10.)

"List of bibliographies," p. 785–892.

"Chronological table of leading events," p. 893–898.

Contents. — 1. Phillips, W. A. The congresses, 1815–22. — 2. Blennerhasset, *lady*. The doctrinaires. — 3. Bourgeois, É. Reaction and revolution in France. — 4. Segrè, C. Italy. — 5. Blennerhasset, *lady*. The papacy and the catholic church. — 6. Phillips, W. A. Greece and the Balkan peninsula. — 7. Altamira, R. Spain. — 8. Kirkpatrick, F. A. The Spanish dominions in America. — 9. *same*. The establishment of independence in Spanish America. — 10. Edmundson, G. Brazil and Portugal. — 11. Pollard, A. F. The Germanic federation. — 12. Robertson, J. G. Literature in Germany. — 13. Askenazy, S. Russia. — 14. *same*. Poland and the Polish revolution. — 15. Bourgeois, É. The Orleans monarchy. — 16. Edmundson, G. The Low Countries. — 17. Phillips, W. A. Mehemet Ali. — 18. Temperley, H. W. V. Great Britain. — 19. Davis, H. W. C. Catholic emancipation. — 20. Gooch, G. P. Great Britain and Ireland. — 21. Benians, E. A. Canada. — 22. Courthope, W. J. The revolution in English poetry and fiction. — 23. Clapham, J. H. Economic change. — 24. Nicholson, J. S. The British economists.

940.9 Modern Europe

Rose, John Holland, 1855– 940.9 Q500

61911 The development of the European nations, 1870–1900, by J. Holland Rose .... New York and London, G. P. Putnam's Sons, 1905

2 vol. front., maps (1 fold.) 23½cm.

941 Scotland

Lang, Andrew, 1844– 941 Q001

29209 A history of Scotland from the Roman occupation. By Andrew Lang. In four volumes. .... New York, Dodd, Mead & Co.; Edinburgh, etc., W. Blackwood and Sons, 1900–1907.

4 vol. fronts. (ports.), tables. 22½cm.

Vol. 1: Second edition.

"[Bibliographical] notes" at end of each chapter.

941.5 Ireland

Lawless, Emily. 941.5 O700

23414 Ireland. By the Hon. Emily Lawless with some additions by Mrs. Arthur Bronson. xxix,435 p. il. 1 pl. 2 maps, 1 paged in. D. (Story of the nations.) New York: G. P. Putnam's Sons, 1898, c. 1887.

942 Great Britain

Bartholomew, John George. L942 Q400

45018 The survey gazetteer of the British Isles, topographical, statistical and commercial, compiled from the 1901 census and the latest official returns. Edited by J. G. Bartholomew, F.R.S.E., ... With appendices and special maps. London, G. Newnes, ltd., 1904.

[8], 928 p. 27cm. 64 (*i. e.* 55) pl. (partly fold., incl. maps, plans, diagrs.) 27cm.

Egerton, Hugh Edward. 325.342 P700

14317 A short history of British colonial policy. xv,503 p. O. London: Methuen & Co., 1897.

Great Britain. *Emigrants' Information Office.* 908.42 1

48352 Handbook. .... Issued by the Emigrants' Information Office. London, printed for His Majesty's Stationery Office, 1904–.

Continued from 1904. maps. 22cm.

Each year consists of fourteen parts: 1. Canada. 2. New South Wales. 3. Victoria. 4. South Australia. 5. Queensland. 6. Western Australia. 7. Tasmania. 8. New Zealand. 9. Cape Colony. 10. Natal. 11. Transvaal. 12. Orange River Colony. 13. Professional handbook. 14. Emigration statutes and general handbook.

Green, John Richard. 942 N700

832 History of the English people. 4 vol. maps. O. New York: Harper & Brothers, 1878–1880.

Gross, Charles. 016.942 G91

27502 The sources and literature of English history from the earliest times to about 1485. xx,618 p. O. London: Longmans, Green, & Co., 1900.

Low, Sidney James, & Pulling, F. S., *editors.* 942 P704

10956 The dictionary of English history. Revised edition. vi,[2],viii, 1128 p. O. London: Cassell & Co., 1897.

McCarthy, Justin, 1830– **942 Q501** 942 Great Britain

50297 A history of our own times ... by Justin McCarthy .... New York and London, Harper and Brothers, [1901]–1905.

5 vol. ports. (incl. fronts.) 20½cm.

Contents. — vol. 1–2. From the accession of Queen Victoria to the general election of 1880. 2 vol. — vol. 3. From 1880 to the diamond jubilee. vi, [2], 473 p. — vol. 4–5. From the diamond jubilee, 1897, to the accession of King Edward VII. 2 vol.

Thom & Co., Alex., *Dublin.* **942 1**

51115 Thom's Official directory of the United Kingdom of Great Britain and Ireland: .... Comprising British, foreign, and colonial directories. Parliamentary directory. Peerage, baronetage, and knightage directory. Naval and military directory. Statistics of Great Britain and Ireland. Government offices' directory. University, scientific, and medical directory. Law directory. Ecclesiastical directory. Banking directory. Postal directory. County and borough directory. Lieutenancy and magistracy of Ireland. Post office Dublin city and county directory, with new coloured map of Dublin and its environs. .... Dublin, A. Thom & Co., (ltd.); London, Simpkin, Marshall, Hamilton, Kent & Co., (ltd.), 1906.

Vol. 63, 1906. map in pocket. 23 x 14cm.

Trevelyan, *Sir* **George Otto,** *bart.*, 1838– **973.3 P800**

23308 The American revolution. Part 1–[11], ... , by the Right Hon. Sir George Otto Trevelyan, bart. .... Second edition. New York, London, etc., Longmans, Green, & Co., 1899–1903.

2 vol. in 3. 4 fold. maps. 21cm.

Part 2 is in first edition.

Becker, Bernard Henry. **062 4** 942.51 London

12415 Scientific London. viii,340 p. D. New York: D. Appleton & Co., 1875.

Booth, Charles, 1840– **331.8 Q300**

50276 Life and labour of the people in London, by Charles Booth, assisted by Jesse Argyle, Ernest Aves, Geo. E. Arkell, Arthur L. Baxter, George H. Duckworth. Final volume. Notes on social influences and conclusion. London, New York, Macmillan and Co., ltd., 1903.

[6], 451 p. 2 charts (1 fold.), fold. map in pocket. 22cm.

Folded map (63 x 92cm.) of inner and east London, showing places of worship, schools and licensed houses, 1899–1900.

Contents. — Some comparisons. — Habits of the people. — Notes on administration. — Conclusion. — Appendix tables and notes. — Abstract of the complete work (17 vols.) — Index to final volume.

Post Office London directory. **L942.51 1**

6448 The Post Office London directory ... , comprising ... official, streets, commercial, trades, law, court, parliamentary, postal, city, municipal and clerical conveyance and banking directories. London, Kelly's Directories ltd., [pref. 1896–].

Vol. 98, 102, 105–; 1897, 1901, 1904–. maps. 27cm.

Beginning with 1904 the Library has a copy of this directory for alternate years.

943 Germany

Dawson, William Harbutt. 309.43 Q100

29304 German life in town and country. viii,[2],323 p. 16 pl. D. [Our European neighbors.] New York: G. P. Putnam's Sons, 1901.

Contents: 1. What is the German's fatherland? 2. Social divisions. 3. The "Arbeiter." 4. Rural life and labour. 5. Military service. 6. Public education. 7. Religious life and thought. 8. Woman and the home. 9. Pleasures and pastimes. 10. The Berliner. 11. Political life. 12. Local government. 13. The newspaper and its readers.

Menzel, Wolfgang. 943 M200

15849 The history of Germany, from the earliest period to 1842. Translated from the fourth German edition by Mrs. George Horrocks. 3 vol. por. D. [Bohn's standard library.] London: G. Bell & Sons, 1890–1898.

Vol. 1 published in 1892

Schierbrand, Wolf von. 309.43 Q200

50179 Germany; the welding of a world power, by Wolf von Schierbrand. New York, Doubleday, Page & Co., 1903, [c1902].

vii, 376 p. 23½cm.

Kürschners Staats-, Hof- und Kommunal-Handbuch. 354.43 5

33498 Kürschners Staats-, Hof- und Kommunal-Handbuch des [Deutschen] Reichs und der Einzelstaaten zugleich statistisches Jahrbuch. . . . . München, E. Erztel, 1902–.

Continued from vol. 17, 1902. illus., ports. 19½cm.

Vol. 17 title reads: Staats- Hof- und Kommunal-Handbuch . . . . Herausgegeben von Joseph Kürschner. Leipzig, G. J. Göschen'sche Verlagshandlung.

943.109 Berlin

Scherl, August, *Berlin.* L943.109 1

8056 Berliner Adressbuch . . . . Unter Benutzung amtlicher Quellen. Mit der Beigabe: Grosser Verkehrs-Plan von Berlin und Vororten Berlin, A. Scherl, pref. 1896–[1907].

1897, 1901, 1907. fold. maps. 29 x 22½cm.–30½ x 23cm. With supplement.

1897–1901 title reads: Adressbuch für Berlin und seine Vororte.

Maps are bound separately.

943.6 Austria-Hungary

Munro, Robert. 571.09439 P500

3259 Rambles and studies in Bosnia-Herzegovina and Dalmatia. With an account of the proceedings of the Congress of Archæologists and Anthropologists held in Sarajevo, August, 1894. xx,395 p. 144 il. 32 pl. O. Edinburgh: W. Blackwood & Sons, 1895.

Palmer, Francis H E 309.436 Q300

50269 Austro-Hungarian life in town and country, by Francis H. E. Palmer . . . . New York and London, G. P. Putnam's Sons, 1903.

vii, 301 p. front., 15 pl. 19cm. (*Half-title:* Our European neighbours . . . .)

Morfill, William Richard. 943.8 P300 943.8 Poland

23404 Poland. xv,[1],389 p. il. 1 por. 1 map. D. (Story of the nations.) New York: G. P. Putnam's Sons, 1898, c. 1893.

Authorities for Polish history, &c. p. 366–375.

Bodley, John Edward Courtenay. 320.944 P900 944 France

19270 France. New and revised edition. xxvii,676 p. O. London: Macmillan & Co., 1899.

Joanne, Paul, 1847– , *ed.* L944 P004

8313 Dictionnaire géographique et administratif de la France et de ses colonies. ... . Publié sous la direction de Paul Joanne. Tome premier–[septième et dernier]. ... . Paris, Hachette & c^ie^, 1890–1905.

7 vol. illus., plates, maps. 33½cm.

Paged continuously; vol. 1: [4], 664, [4] p.; vol. 2: [4], 665–1336, [4] p.; vol. 3: [4], 1337–2024 p.; vol. 4: [4], 2025–2900, [2] p.; vol. 5: [4], 2901–3748, [2] p.; vol. 6: [4], 3748–4516, [2] p.; vol. 7: [4], 4517–5469, [2] p.

Vol. 5–7 have not the words "et de ses colonies."

Kitchin, George William. 944 N304

2921 A history of France. Third edition, revised. 3 vol. maps, tables. D. (Clarendon Press series.) Oxford: Clarendon Press, 1892–1896.

Latimer, Elizabeth, [*born*] **Wormeley.** 944 P201

12676 France in the nineteenth century, 1830–1890. Sixth edition. 450 p. 22 por. O. Chicago: A. C. McClurg & Co., 1898, c. 1892.

Taine, Hippolyte Adolphe, 1828–1893. 309.44 N500

3514 ... . The ancient régime. By Hippolyte Adolphe Taine, ... Translated by John Durand. New York, H. Holt & Co., 1876.

xvi, 421 p. 20½cm. (The origins of contemporary France.)

Taine, Hippolyte Adolphe. 309.44 P001

19507 The modern régime. Translated by John Durand. 2 vol. O. (Les origines de la France contemporaine.) London: Sampson Low, ... & Rivington, 1891–1894.

Wendell, Barrett, 1855– 309.44 Q700

62386 The France of to-day, by Barrett Wendell .... New York, C. Scribner's Sons, 1907.

[8], 379 p. 21cm.

"In this book my effort has been to set forth the impressions of France made on me during the year when I was a lecturer at French universities ... In substantially their present form the eight chapters were given as lectures at the Lowell Institute, Boston, in November and December, 1906, and four of them have been published in Scribner's magazine during 1907." — Note.

Contents. — The universities. — The structure of society. — The family. — The French temperament. — The relation of literature to life. — The question of religion. — The revolution and its effects. — The republic and democracy.

944.65 Paris

Annuaire-almanach. L944.65 1

8638 Annuaire-almanach du commerce, de l'industrie, de la magistrature et de l'administration, ou Almanach des 1,500,000 adresses de Paris, des départements, des colonies et des pays étrangers, Didot-Bottin. . . . . Première partie. Paris. Département de la Seine (arrond. cantons et communes) . . . 1897, 1902. maps. Q. Paris [1897]–1902.

Founded in 1797 by Duverneuil and J. de La Tynna under the title: Almanach du commerce . . . ; from 1819 to his death in 1853 continued by Sébastien Bottin and known as Almanach-Bottin; in 1857 ceded by his widow to the firm of Firmin Didot frères and united with their Annuaire géneral du commerce. Since 1881 published by a "société anonyme". For further details of its history see the Preface by Paul Leroy-Beaulieu in 1897.

Slight variations in title.

1897 called "Edition du centenaire".

945 Italy

Deecke, Wilhelm, 1831–1900. L945 P800

61986 Italy; a popular account of the country, its people, and its institutions (including Malta and Sardinia) by Professor W. Deecke . . . . Translated by H. A. Nesbitt, ... London, S. Sonnenschein & Co., ltd.; New York, The Macmillan Company, 1904.

xii, 485 p. illus., xxx pl. (incl. front., maps.) 26cm.

King, Bolton, & Okey, Thomas. 309.45 Q100

22885 Italy to-day. xii,365 p. O. London: J. Nisbet & Co., 1901.

"Appendix—List of principal books," p. 353–357.

Orsi, Pietro. 945 P900

27647 Modern Italy, 1748–1898. Translated by Mary Alice Vialls. xvii,404 p. il. 1 por. 1 map. D. (Story of the nations.) New York: G. P. Putnam's Sons, 1900.

Symonds, John Addington. 309.45 N500

12116 Renaissance in Italy. 5 parts in 7 vol. por. O. New York: H. Holt & Co., 1881–1887.

Contents: Part 1. The age of despots. Part 2. The revival of learning. Part 3. The fine arts. Part 4. Italian literature. Part 5. The Catholic reaction.

Parts 3 and 5 are in Author's edition.

Part 3 has pref. date 1877.

Villari, Luigi. 309.45 Q203

50228 Italian life in town and country, by Luigi Villari . . . . New York and London, G. P. Putnam's Sons, 1904.

ix, 327 p. 18 pl. (incl. front.) 18½cm. (*Half-title:* Our European neighbours.)

Bibliography, p. v–vi.

946 Spain

Higgin, L 309.46 Q200

65320 Spanish life in town and country, by L. Higgin, with chapters on Portuguese life in town and country, by Eugène E. Street. With twenty-seven illustrations. London, G. Newnes, ltd., 1902.

xii, 289, [1] p. incl. front., illus., plates. 18½cm.

Hume, Martin Andrew Sharp. 946 P900 946 Spain

24407 Modern Spain. 1788–1898. xxii,574 p. il. 1 por. 1 map. D. (Story of the nations.) New York: G. P. Putnam's Sons, 1900.

Hume, Martin Andrew Sharp, 1847– 946 P801

52193 Spain. Its greatness and decay (1479–1788) by Martin A. S. Hume ... . With an introduction by Edward Armstrong ... . Second edition, revised and corrected. Cambridge, University Press, 1899.

x, 460 p. 2 fold. maps. 19½cm. (*Half-title:* Cambridge historical series. ... .)

Hume, Martin Andrew Sharp, 1847– 946 Q101

69649 The Spanish people; their origin, growth, and influence, by Martin A. S. Hume ... with index and bibliography. New York, D. Appleton and Co., 1901.

xix, 535 p. 19½cm. (*Half-title:* The great peoples series, edited by Y. Powell.)
Bibliography, p. 517–524.

Stephens, Henry Morse. 946.9 P100 946.9 Portugal

2500 The story of Portugal. xxiv,448 p. il. 1 map. D. (Story of the nations.) New York: G. P. Putnam's Sons, 1895.

Palmer, Francis H. E. 309.47 Q100 947 Russia

30114 Russian life in town and country. xi,[2],320 p. 15 pl. D. [Our European neighbors.] New York: G. P. Putnam's Sons, 1901.

Contents: 1. Russia behind the veil. 2. The landed proprietor's home. 3. Country life in summer. 4. Strada. 5. The peasant in serfage. 6. The country priest. 7. Life on a large estate. 8. Peasant characteristics. 9. Rural self-government. 10. A country town. 11. Jewish town life. 12. The Jewish trader. 13. The "Odnodvortsy." 14. The orthodox church and the clergy. 15. Religious thought and ritual. 16. The Russian dissenters. 17. Life in winter. 18. Town society. 19. The urban working classes. 20. Industrial co-operative associations. 21. Education and the army.

Rambaud, Alfred [Nicolas]. 947 N900

2737 History of Russia, from the earliest times to 1882. ... . Translated by L. B. Lang. Edited and enlarged by Nathan Haskell Dole. Including, A history of the Turko-Russian war of 1877–78, ... , by the editor. 3 vol. por. O. Boston: Estes & Lauriat, c. 1879–1882.

Wallace, *Sir* **Donald Mackenzie,** 1841– 309.47 Q5 S

62002 Russia, by Sir Donald Mackenzie Wallace ... . Entirely new and much enlarged edition, revised and in great part rewritten. With portrait of the author and two coloured maps. New York, H. Holt and Co., 1905.

xx, 672 p. front. (port.), 2 fold. maps. 25cm.

Bain, Robert Nisbet, 1854– 948 Q500 948 Scandinavia

61987 Scandinavia; a political history of Denmark, Norway and Sweden from 1513 to 1900, by R. Nisbet Bain ... . Cambridge, University Press, 1905.

[8], vii–viii, [2], 460 p. 5 fold. maps. 19½cm. (*Half-title:* Cambridge historical series. Ed. by G. W. Prothero [15].)
Bibliography, p. [444]–448.

948 Scandinavia

Woods, Francis Henry. 948 O200

3336 Sweden and Norway. x,[2],266 p. il. 7 pl. 1 por. 2 maps. D. [Foreign countries and British colonies.] London: Sampson Low, ... , & Rivington, 1882.

948.1 Norway

Boyesen, Hjalmar Hjorth. 948.1 O600

26757 Norway. xxiii,556 p. il. 1 pl. 2 maps. D. (Story of the nations.) New York: G. P. Putnam's Sons, 1899, c. 1886.

948.5 Sweden

Heidenstam, Oscar Gustaf von, 1840– 309.485 Q400

61977 Swedish life in town and country, by O. G. von Heidenstam ... . New York and London, G. P. Putnam's Sons, 1904.

viii, [2], 286 p. front., 15 pl. 19cm. (*Half-title:* Our European neighbours, [vol. XII].)

948.9 Denmark. Iceland

Brochner, Jessie. 309.489 Q300

50199 Danish life in town and country, by Jessie Brochner ... . New York and London, G. P. Putnam's Sons, 1903.

vii, 266 p. front., 15 pl. 19cm. (*Half-title:* Our European neighbors.)

Otté, Elise C. 948.9 O100

3324 Denmark and Iceland. vii,[1],267,[1] p. il. 12 pl. 2 maps. D. [Foreign countries and British Colonies.] London: Sampson Low, ... , & Rivington, 1881.

949.2 Holland

Hough, P M , *pseud.* 309.492 Q100

65482 Dutch life in town and country, by P. M. Hough ... . New York and London, G. P. Putnam's Sons, 1901.

vii, 291 p. front., 15 pl. 19cm. (*Half-title:* Our European neighbours.)

949.3 Belgium

Boulger, Demetrius Charles de Kavanagh, 1853– 309.493 Q400

50168 Belgian life in town and country, by Demetrius C. Boulger ... . New York and London, G. P. Putnam's Sons, 1904.

x, [2], 321 p. front., 15 pl. 19cm. (*Half-title:* Our European neighbours.)

949.4 Switzerland

Baker, F. Grenfell. 949.4 P502

25161 The model republic. A history of the rise and progress of the Swiss people. [6],550 p. 2 maps. O. London: H. S. Nichols & Co., 1895.

Dawson, William Harbutt. 331.09494 P700

9928 Social Switzerland. Studies of present-day social movements and legislation in the Swiss republic. x,301,[3] p. D. London: Chapman & Hall, 1897.

Story, Alfred Thomas, 1842– 309.494 Q200

65481 Swiss life in town and country, by Alfred Thomas Story ... . New York and London, G. P. Putnam's Sons, 1902.

viii, [2], 282 p. front., 19 pl. 19cm. (*Half-title:* Our European neighbours.)

949.5 Byzantine Empire

Oman, Charles William Chadwick. 949.5 P200

23405 The Byzantine Empire. xviii,364 p. il. 2 pl. D. (Story of the nations.) New York: G. P. Putnam's Sons, 1898, c. 1892.

Garnett, Lucy Mary Jane. 309.496 Q400 949.6 Balkan Peninsula

61959 Turkish life in town and country, by Lucy M. J. Garnett .... New York and London, G. P. Putnam's Sons, 1904.

viii, [2], 336 p. front., 15 pl. 19½cm. (*Half-title:* Our European neighbors.)

Laveleye, Emile de. 949.6 O700

2036 The Balkan peninsula. Translated by Mrs. Thorpe. Edited and revised for the English public by the author, with an introductory chapter upon the most recent events .... xxvi,384 p. 1 map. O. New York: G. P. Putnam's Sons, 1887.

950 ASIA

Douglas, *Sir* Robert Kennaway, 1838– 950 Q400

61990 Europe and the Far East, by Sir Robert K. Douglas .... Cambridge, University Press, 1904.

vii, [1], 450 p. 5 fold. maps. 19½cm. (*Half-title:* Cambridge historical series. Edited by G. W. Prothero.)

Bibliography, p. [428]–438.

Keane, Augustus Henry. 950 P600

4333 Asia. .... (New issue.) 2 vol. il. pl. maps. D. (Stanford's compendium of geography and travel.) London: E. Stanford, 1896.

Reclus, Elisée. L910.2 O301

5793 The earth and its inhabitants. Asia. Edited by E. G. Ravenstein and A. H. Keane. 4 vol. il. pl. maps. Q. New York: D. Appleton & Co., 1884–1885.

Contents: Vol. 1. Asiatic Russia: Caucasia, Aralo-Caspian basin, Siberia. Vol. 2. East Asia: Chinese Empire, Corea, and Japan. Vol. 3. India and Indo-China. Vol. 4. South-western Asia.

Vol. 2–4 edited by A. H. Keane.

Ball, James Dyer. 951 Q006 951 China

29313 Things Chinese: being notes on various subjects connected with China. Third edition. Revised and enlarged. [6],8,666,xxv p. O. London: Sampson Low, Marston & Co. Hongkong: Kelly & Walsh, 1900.

Arranged alphabetically.

Boulger, Demetrius Charles. 951 P801

19081 The history of China. New and revised edition. 2 vol. por. map. O. London: W. Thacker & Co., 1898.

Colquhoun, Archibald Ross. 951 P800

17990 China in transformation. ix,[1],396,[2] p. il. 1 pl. 1 map, 3 maps in pocket. O. New York: Harper & Brothers, 1899.

"List of books consulted", p. 386–388.

951 China

Colquhoun, Archibald Ross. 951 Q001

23137 Overland to China. xi,[1],464,[2] p. il. 21 pl. paged in. 1 por. 5 maps, 1 paged in. O. New York: Harper & Brothers, 1900.

"An attempt to interest the general reader and give him an idea of the ground by presenting, without elaboration, a series of impressions of the conditions, physical and political, under which the Trans-Siberian railway will shortly become an accomplished fact." *Preface.*

Parker, Edward Harper. 951 Q100

29170 China; her history, diplomacy and commerce, from the earliest times to the present day. xx,332 p. 1 pl. 17 maps. O. London: J. Murray, 1901.

Williams, Samuel Wells. 309.51 O200

149 ... The Middle Kingdom. A survey of the geography, government, literature, social life, arts, and history of the Chinese empire and its inhabitants. Revised edition. 2 vol. il. pl. por. map in pocket. O. New York: C. Scribner's Sons, 1883.

952 Japan

Chamberlain, Basil Hall. 952 Q201

35900 Things Japanese. Being notes on various subjects connected with Japan for the use of travellers and others. Fourth edition revised & enlarged. vi,[2],545 p. 1 map. O. London: J. Murray, 1902.

Griffis, William Elliot, 1843– 952 Q301

50298 The Mikado's empire, by William Elliot Griffis .... Tenth edition, with six supplementary chapters, including history to beginning of 1903. New York and London, Harper & Brothers, 1903.

2 vol. front., illus., plates, ports., maps. 21cm.

Paged continuously.

Contents. — vol. 1. book I. History of Japan from 660 B. C. to 1872 A. D. 10, [5], 12–324 p. — vol. 2. book II. Personal experiences, observations, and studies in Japan. 1870–1875. book III. Supplementary chapters, including history to the beginning of 1903. [4, 327]–695 p.

Japan. *Imperial Japanese Commission to the Louisiana Purchase Exposition.* 952 Q402

61942

Japan in the beginning of the 20th century. Published by Imperial Japanese Commission to the Louisiana Purchase Exposition .... [Tokyo, Japan, printed at the "Japan times" Office], 1904.

[4], viii, 828, [4] p. 23cm.

Edited by Haruki Yamawaki.

Murray, David. 952 P402

30013 Japan. x,431 p. il. 2 pl. 2 maps. D. [Story of the nations.] New York: G. P. Putnam's Sons, 1900.

Hunter, *Sir* William Wilson. 954 P900 954 India

30865 A history of British India. . . . . 2 vol. maps. O. London: Longmans, Green, & Co., 1899–1900.

Vol. 2 completed and edited by P. E. Roberts.

Hunter, *Sir* William Wilson. 954 P200

3424 The Indian Empire. Its peoples, history, and products. New and revised edition (the third). 852 p. 1 map. O. London: Smith, Elder, & Co., pref. 1892.

Knight, Edward Frederick. 954 P300

3283 Where three empires meet: a narrative of recent travel in Kashmir, western Tibet, Gilgit, and the adjoining countries. xvi,495 p. 27 il. 27 pl. 1 map. O. London: Longmans, Green, & Co., 1893.

Poole, Stanley Lane-. 956 0800 956 Turkey

23365 The story of Turkey. By Stanley Lane-Poole assisted by E. J. W. Gibb and Arthur Gilman. xviii,373 p. il. 32 pl. 31 paged in, 6 por. paged in, 4 maps, 2 paged in, 2 tables, 1 paged in. D. (Story of the nations.) New York: G. P. Putnam's Sons, 1897, c. 1888.

Wright, George Frederick, 1838– 957 Q200 957 Asiatic Russia

50299 Asiatic Russia, by George Frederick Wright ... New York, McClure, Phillips & Co., 1902.

2 vol. front., plates, maps (partly fold.) 23½cm.

Paged continuously.

"Bibliography," vol. 2, p. 633–637.

Fold. maps in pocket.

Contents. — vol. 1. pt. 1. Physical geography. pt. 2. Russian occupation. xxii, 290 p. — vol. 2. Russian occupation (continued). pt. 3. Political divisions. pt. 4. Social, economic, and political conditions. pt. 5. Natural history. xii, [2, 291]–637 p.

960 AFRICA

Johnston, *Sir* Harry Hamilton. 325.6 P900

20531 A history of the colonization of Africa by alien races. Stereotype edition. xiii,319 p. 8 maps. D. [Cambridge historical series.] Cambridge: University Press, 1899.

"Bibliography of the history of colonization of Africa. Books specially useful," p. 300–302.

Keane, Augustus Henry, 1833– 960 Q400

47565 . . . . Africa. Vol. 1–[11]. By A. H. Keane, ... Maps and
a illustrations. Second edition, revised [and corrected]. London, E. Stanford, 1904–1907.

2 vol. 20cm. (Stanford's compendium of geography and travel, (new issue).)

Contents. — vol. 1. North Africa. 1907. xx, 640 p. incl. front., illus. 9 fold. maps. — vol. 2. South Africa. 1907. xvi, 672 p. incl. front., illus. 11 fold. maps.

957 Asiatic Russia

Reclus, Elisée. L910.2 O302

5794 The earth and its inhabitants. Africa. Edited by A. H. Keane. 4 vol. il. pl. maps. Q. New York: D. Appleton & Co., 1886–1889.

Contents: Vol. 1. North-east Africa. Vol. 2. North-west Africa. Vol. 3. West Africa. Vol. 4. South and east Africa.

962 Egypt

Cromer, Evelyn Baring, *1st earl of*, 1841– 962 Q800

63902 Modern Egypt. By the Earl of Cromer. . . . . In two volumes. . . . . New York, The Macmillan Company, 1908.

2 vol. front. (port.), 1 fold. map. 22½cm.

966 North Central Africa

Schweinfurth, Georg. 966 N100

2045 The heart of Africa. Three years' travels and adventures in the unexplored regions of Central Africa, from 1868 to 1871. Translated by Ellen E. Frewer. With an introduction by Winwood Reade. 2 vol. il. pl. maps. O. New York: Harper & Brothers, 1874.

967 South Central Africa

Stanley, Henry Morton. 967 P001

3350 In darkest Africa, or The quest, rescue, and retreat of Emin, Governor of Equatoria. 2 vol. il. pl. por. maps, maps in pockets. O. New York: C. Scribner's Sons, 1890.

968 South Africa

Bryce, James. 968 P901

22704 Impressions of South Africa. Third edition, revised throughout, with a new prefatory chapter, and with the Transvaal conventions of 1881 and 1884. lxiii,499 p. 3 maps. D. London: Macmillan & Co., 1900.

Edwards & Co., Dennis, *publishers.* L968 1

36421 The general directory of South Africa . . . comprising separate directories for nearly 500 townships, cities and districts of Cape Colony, Natal, Orange River Colony, the Transvaal, Basutoland, Mashonaland, Rhodesia, etc., etc., with a trade directory for the whole of South Africa under one alphabetical arrangement, ... 1903. il. map. Q. Cape Town 1903.

Theal, George McCall, 1837– 968 P703

50210 . . . South Africa (The Cape Colony, Natal, Orange Free State, South African Republic, Rhodesia and all other territories south of the Zambesi) by George M'Call Theal . . . [Fifth edition.] New York, G. P. Putnam's Sons; London, T. F. Unwin, 1900.

[2], xx, [2], 452 p. front., illus., map. 20cm. (The story of the nations.)

970
NORTH AND CENTRAL AMERICA

International bureau of the American Republics, L980 P700
61908 *Washington, D. C.*

Commercial directory of the American republics, comprising the manufactures, merchants, shippers, and banks and bankers engaged in foreign trade; together with the names of officials, maps, commercial statistics, industrial data, and other information concerning the countries of the international union of American republics, the American colonies, and Hawaii .... Compiled by the Bureau of the American Republics ... Washington, Gov't Print. Off., 1897–1898.

2 vol. fronts., maps (partly fold.) 30cm.

Vol. 1 and the greater part of vol. 2 compiled under the direction of J. P. Smith.

English, Spanish, Portuguese, and French. Vol. 2 has t.-p. in each language.

Contents. — vol. 1. Argentine Republic. Bolivia. Brazil. Chile. Colombia. Costa Rica. Ecuador. Falkland Islands. Greater republic of Central America. Guatemala. The Guianas. Haiti. Hawaii. Honduras. British Honduras. 1897. liv, 1069 p.— vol. 2. Mexico. Nicaragua. Paraguay. Peru. Salvador. Santo Domingo. United States. Uruguay. Venezuela. West Indian colonies. 1898. xxxviii, 1589 p.

Parkman, Francis. 970 P701
8166 Works. Champlain edition. 20 vol. pl. por. facsim. maps. O. Boston: Little, Brown, & Co., 1897–1898.

Fiske, J. Introductory essay, [biographical sketch of Parkman], vol. 1, p. xi–lxxxvi.

Reclus, Elisée. L910.2 O303
5795 The earth and its inhabitants. North America. Edited by A. H. Keane. 3 vol. il. pl. maps. Q. New York: D. Appleton & Co., 1890–1893.

Contents: Vol. 1. British North America. Vol. 2. Mexico, Central America, West Indies. Vol. 3. The United States.

Winsor, Justin, *editor.* L970 O900
382 Narrative and critical history of America. 8 vol. il. pl. por. maps. Q. Boston: Houghton, Mifflin, & Co., 1884–1889.

Vol. 1 printed in 1889. Vol. 2 copyrighted in 1886.

Contents: Vol. 1. Aboriginal America. Vol. 2. Spanish explorations and settlements in America from the fifteenth to the seventeenth century. Vol. 3. English explorations and settlements in North America, 1497–1689. Vol. 4. French explorations and settlements in North America and those of the Portuguese, Dutch, and Swedes, 1500–1700. Vol. 5. The English and French in North America, 1689–1763. Vol. 6–7. The United States of North America. Part 1–2. Vol. 8. The later history of British, Spanish, and Portuguese America.

Brinton, Daniel Garrison. 398.1 B77 970.1 Indians
5575 The myths of the new world. A treatise on the symbolism and mythology of the red race of America. Third edition, revised. 360 p. O. Philadelphia: D. McKay, 1896.

970.1 Indians

Jackson, Helen [*born* **Fiske,** *formerly* **Hunt**]. **970.5 O500**

10238 A century of dishonor. A sketch of the United States Government's dealings with some of the Indian tribes. New edition enlarged by the addition of the report of the needs of the Mission Indians of California. x,514 p. D. Boston: Roberts Brothers, 1895, c. 1885.

Maclean, John. **970.1 P601**

9603 Canadian savage folk. The native tribes of Canada. 641 p. il. 1 por. O. Toronto: W. Briggs, 1896.

See also **572.97,** American anthropology and ethnology.

971 CANADA

Bryce, George. **971 O700**

16758 A short history of the Canadian people. vii,528 p. 1 map. D. London: Sampson Low, .. , & Rivington, 1887.

Canada. *Department of Agriculture.* **971 Q403**

69650 . . . . Canada; its history, productions and natural resources. Prepared by George Johnson ... under the direction of ... Sydney Fisher, minister of agriculture . . . . [Ottawa, 1904.]

[6], 176 p. plates, 5 fold. maps, diagr. 22½cm.
Maps in pockets.
At head of title: Louisiana purchase exposition 1904.

Canadian annual review. **971 3**

39351 Canadian annual review of public affairs. . . . . Illustrated. Toronto, The Annual Review Publishing Company, ltd., [1903–].

Continued from [no. 1], 1902. fronts., plates, ports. 23cm.
"In this work it is hoped, from year to year, to provide an adequate view of Canadian resources, progress, institutions and history. The record of important events in politics and parliament is combined with many statements, or tabulated statistics, of trade and commerce and industry and finance." — Pref.

Dawson, Samuel Edward. **971 P700**

9315 North America. Vol. 1. Canada & Newfoundland. xxiv,719 p. il. 1 pl. 12 maps. D. (Stanford's compendium of geography and travel. New issue.) London: E. Stanford, 1897.

Lovell & Son, John, *publishers.* **971 P500**

2944 Lovell's gazetteer of British North America: . . . . 671 p. Q. Montreal 1895.

Lovell & Son, John, *Montreal.* **971.458 1**

49440 Lovell's Montreal directory, ... Containing an alphabetical and street directory of the citizens . . . . Montreal, J. Lovell & Son, 1905–.

1905–. 24cm.
Includes also the suburbs and neighboring towns.
The Library has a copy of this directory for every fourth year only.

Might Directories, *Toronto.* L971.388 1 971 Canada

54504 The Toronto city directory . . . . Also suburban directories of Bedford Park, Bracondale, Chester, Coleman, Davisville, Deer Park, Doncaster, East Toronto, Eglinton, Humber Bay, Little York, Mimico, New Toronto, North Dovercourt, North Toronto, Norway, Swansea, Todmorden and Toronto Junction. . . . . Toronto, Ont., Might Directories, ltd., c1906.

Vol. 31, 1906. 27½cm.

Might Directory Co., *publishers.* L971 5

21279 Dominion of Canada and colony of Newfoundland gazetteer and classified business directory. . . . . Vol. 2. 1899. Q. Toronto 1899.

Morgan, Henry James, 1842– 309.71 Q500

61916 Canadian life in town & country, by Henry J. Morgan and Lawrence J. Burpee. With twenty-eight illustrations. London, G. Newnes, ltd., 1905.

xii, 266, [1] p. 27 pl. (incl. front.) port. 18½cm.
"Canadian bibliography," p. 248–263.

972 MEXICO. CENTRAL AMERICA. WEST INDIES

Biart, Lucien. 309.72 O500

15798 The Aztecs. Their history, manners, and customs. From the French. Authorized translation by J. L. Garner. 343 p. 18 il. 2 maps. O. Chicago: A. C. McClurg & Co., 1892, c. 1886.

International Bureau of the American Republics, 972 Q401

63992 *Washington, D. C.*

. . . . Mexico. Geographical sketch, natural resources, laws, economic conditions, actual development, prospects of future growth. Edited and compiled by the International Bureau of the American Republics. 1904. Washington, Gov't Print. Off., 1904.

454 p. 24 pl. 23½cm.
At head of title: International Bureau of the American Republics, Washington, D. C.
"Bibliography and cartography," p. 421–445.

Keane, Augustus Henry. 980 Q100

28779 Central and South America. Edited by Sir Clements Markham. 2 vol. il. pl. maps. O. (Stanford's compendium of geography and travel. New issue.) London: E. Stanford, 1901.

Martin, Percy Falcke, 1861– 972 Q701

67621 Mexico of the twentieth century, by Percy F. Martin . . . . London, E. Arnold, 1907.

2 vol. fronts., plates, ports., 2 fold. maps. 22cm.

972 Mexico. Central America. West Indies

Perry, G. R., *editor.* **972.83 1**

15656 Directorio nacional de Honduras, América Central. . . . . 502 p. il. 1 map. O. New York, U. S. A.: Spanish-American Directories Co., 1899.

Has also English title-page.

Romero, Matias. **L972 P800**

12548 Coffee and india-rubber culture in Mexico. Preceded by Geographical and statistical notes on Mexico. xxvi,[2],417 p. 1 pl. 1 map, 1 table. Q. New York: G. P. Putnam's Sons, 1898.

Geographical and statistical notes on Mexico, p. 1–280.

972.9 West Indies. Cuba. Porto Rico

Dinwiddie, William. **972.95 P903**

22451 Puerto Rico. Its conditions and possibilities. vii,[1],293,[1] p. 48 pl. O. New York: Harper & Brothers, 1899.

Fiske, Amos Kidder, 1842– **972.9 P900**

50213 The West Indies; a history of the islands of the West Indian Archipelago, together with an account of their physical characteristics, natural resources, and present condition, by Amos Kidder Fiske . . . . New York, London, G. P. Putnam's Sons, 1902.

[2], xii, [2], 414 p. front., plates, ports., maps. 20cm. (The story of the nations.)

Hill, Robert Thomas. **972.9 P800**

15400 Cuba and Porto Rico, with the other islands of the West Indies. Their topography, climate, flora, products, industries, cities, people, political conditions, etc. xxviii,429 p. 77 pl. 2 maps. O. New York: Century Co., 1898.

973-979 UNITED STATES OF AMERICA

Baedeker, Karl, *Leipzig.* **973 Q401**

62019 The United States, with an excursion into Mexico; handbook for travellers, by Karl Baedeker; with 25 maps and 35 plans. Third revised edition. Leipzig, K. Baedeker; New York, C. Scribner's Sons; [etc., etc.], 1904.

ciii, 660 p. fold. front., maps (partly fold.) plans (partly fold.) 16cm.
Prepared by J. F. Muirhead.

———. The Louisiana Purchase Exposition at St. Louis, 1904; gratis supplement to the 3rd edition of Baedeker's United States; with a plan of the exposition. Leipzig, K. Baedeker, 1904.

cover-title, 9 p. double plan. 15½cm.

Bryce, James. **309.73 P401**

6127 The American commonwealth. Third edition, completely revised throughout, with additional chapters. 2 vol. O. New York: Macmillan Co., 1896–1897.

Channing, Edward, & Hart, Albert Bushnell. 016.973 C36 973–979 United States of America

28848 Guide to the study of American history. xvi,471 p. D. Boston, U. S. A.: Ginn & Co., 1896.

Gannett, Henry. 973 P800

15053 North America. Vol. II. The United States. xvi,466 p. il. 1 pl. 16 maps. D. (Stanford's compendium of geography and travel. New issue.) London: E. Stanford, 1898.

Hart, Albert Bushnell, 1854– 016.973 H25

50251 Handbook of the history, diplomacy, and government of the United States, for class use, by Albert Bushnell Hart ... Cambridge, [Mass.], printed for the University, 1901.

[6], 449 p. 21½cm.

Contents. — Preliminary suggestions. — Materials. — Lectures. — Parallel readings. — Weekly papers. — Special reports. — Examinations.

Jameson, John Franklin. L973 P500

276 Dictionary of United States history. 1492–1895. Four centuries of history. Written concisely and arranged alphabetically in dictionary form. [2],733 p. 1 pl. 22 pl. of por. 1 facsim. Q. Boston, Mass.: Puritan Publishing Co., c. 1894.

Lossing, Benson John, 1813–1891. 973 Q200

40888 Harper's encyclopædia of United States history from 458 A. D. to 1902. Based upon the plan of Benson John Lossing LL.D. with special contributions covering every phase of American history and development by eminent authorities ... . With a preface on the study of American history by Woodrow Wilson, PH.D. With original documents, portraits, maps, plans, &c. Complete in ten volumes. ... . New York, London, Harper & Bros., 1902, [c1901].

10 vol. col. fronts., illus., plates (partly col.), ports., maps, facsims. 24cm.

McMaster, John Bach. 973 O300

13963 A history of the people of the United States, from the Revolution to the Civil War. Vol. 1–. O. New York: D. Appleton & Co., 1897–, c. 1883–.

Schouler, James, 1839– 973 P401

13964 History of the United States of America under the constitution. By James Schouler. Revised edition. Vol. I–[VI]. 1783–[1865]. New York, Dodd, Mead & Co., [c1894–c1899].

6 vol. fronts. (fold. maps). 21cm.

973–979 United States of America

Shaler, Nathaniel Southgate, *editor.* **L309.73 P400**

414 The United States of America. A study of the American commonwealth, its natural resources, people, industries, manufactures, commerce, and its work in literature, science, education, and self-government. 2 vol. il. pl. maps. Q. New York: D. Appleton & Co., 1894.

United States. **L909 C14 v.7**

61823 . . . . The United States. New York, London, The Macmillan Company, 1903.

xxvii, 857 p. 25cm. (*In* Cambridge modern history, vol. 7.)

"Bibliographies," p. 753–834.

"Chronological table of leading events," p. 835–840.

Contents. — 1. Doyle, J. A. The first century of English colonisation (1607–1700). — 2. *same.* The English colonies (1700–1763). — 3. Bateson, M. The French in America (1608–1744). — 4. Bradley, A. G. The conquest of Canada (1744–1761). — 5. Doyle, J. A. The quarrel with Great Britain (1761–1776). — 6. Bigelow, M. M. The Declaration of Independence (1761–1776). — 7. Doyle, J. R. The war of independence (1776–1783. — 8. Bigelow, M. M. The constitution (1776–1789). — 9. McMaster, J. B. The struggle for commercial independence (1782–1812). — 10. Wilson, H. W. The war of 1812–1815. — 11. McMaster, J. B. The growth of the nation (1815–1828). — 12. *same.* Commerce, expansion, and slavery (1828–1850). — 13. Wilson, W. State rights (1850–1860). — 14–16. Nicolay, J. G. The civil war (1861–1865). — 17. Wilson, H. W. Naval operations of the civil war (1861–1865). — 18. Nicolay, J. G. The North during the war (1861–1865). — 19. Schwab, J. C. The South during the war (1861–1865). — 20. Smith, T. C. Political reconstruction (1865–1885). — 21. Moore, J. B. The United States as a world-power (1885–1902). — 22. Emery, H. C. Economic development of the United States. — 23. Wendell, B. The American intellect.

973.1 Discovery of America

Winsor, Justin. **910.9218 W73**

17156 Christopher Columbus and how he received and imparted the spirit of discovery. xi,674 p. il. O. Boston: Houghton, Mifflin & Co., 1891.

"The geographical results", p. 529–660.

973.2 Colonization period

Doyle, John Andrew, 1844– **973.2 D201**

2533 English colonies in America. . . . . [Volume I–V.] By J. A. Doyle . . . . New York, H. Holt and Co., 1889–1907, [pref. 1882–1906].

5 vol. 22½cm.

Contents. — vol. 1. Virginia, Maryland, and the Carolinas. 1889. xvi, 420 p. 1 fold. map. — vol. 2–3. The Puritan colonies. 1889. 2 vol. fold. fronts., 1 fold. map. — vol. 4. The middle colonies. 1907. xvi, 447 p. — vol. 5. The colonies under the House of Hanover. 1907. xvi, 497 p. front. (fold. map).

Fiske, John. **973.2 F901**

23142 The Dutch and Quaker colonies in America. 2 vol. maps. O. Boston: Houghton, Mifflin & Co., 1899.

Lodge, Henry Cabot. **973.2 O100**

2536 A short history of the English colonies in America. Revised edition. viii,560 p. 1 map. O. New York: Harper & Brothers, c. 1881.

Winsor, Justin. 973.2 P500 973.2 Colonization period

17242 The Mississippi basin. The struggle in America between England and France, 1697–1763. ix,484 p. il. O. Boston: Houghton, Mifflin & Co., 1895.

Trevelyan, *Sir* **George Otto,** *bart.*, 1838– 973.3 P800 973.3 American Revolution

23308 The American revolution. Part I–[II], ... , by the Right Hon. Sir George Otto Trevelyan, bart. .... Second edition. New York, London, etc., Longmans, Green, & Co., 1899–1903.

2 vol. in 3. 4 fold. maps. 21cm.

Part 2 is in first edition.

Winsor, Justin, 1831–1897. 016.9733 W73

37452 The reader's handbook of the American revolution. 1761–1783. By Justin Winsor .... Boston, Houghton, Mifflin and Co., 1880, [c1879].

v, 328 p. 18cm.

"Like a continuous foot-note to all histories of American revolution." — Pref.

Winsor, Justin. 973.4 P700 973.4 Constitutional period

20178 The westward movement: the colonies and the republic west of the Alleghanies, 1763–1798. With full cartographical illustrations from contemporary sources. viii,595 p. il. O. Boston: Houghton, Mifflin & Co., 1899.

Rhodes, James Ford, 1848– 973.6 P200 973.6 Mexican and Civil wars

15760 History of the United States from the compromise of 1850 [to the final restoration of home rule at the South in 1877], by James Ford Rhodes. Vol. I–[VII] .... New York, London, vol. 1–4: Harper & Brothers; vol. 5–7: The Macmillan Company, 1896–1906, [c1892–1906].

7 vol. 13 maps (partly fold.) 22cm.

Fiske, John. 975 P700 975 Southern States

25145 Old Virginia and her neighbors. 2 vol. maps. O. London: Macmillan & Co., 1897.

Blanchard, Rufus, 1821–1904. 977 P800 977 Northwest, Central Western States

23860 Discovery and conquests of the Northwest. With the history of Chicago. In two volumes. .... By Rufus Blanchard. Chicago, R. Blanchard & Co., 1898–1900.

2 vol. illus., 31 pl., 14 ports. incl. front., 8 maps. 23cm.

Hinsdale, Burke Aaron. 977 0800

1065 The old Northwest. With a view of the thirteen colonies as constituted by the royal charters. vi,[2],440 p. il. 10 maps. O. New York: T. Mac Coun, 1888.

977 Northwest, Central Western States

Thwaites, Reuben Gold. 977 P700

17893 Afloat on the Ohio. An historical pilgrimage of a thousand miles in a skiff, from Redstone to Cairo. xiv,334 p. D. Chicago: Way & Williams, 1897.

"Selected list of journals of previous travelers down the Ohio," p. 320–328.

977.3 History of Illinois

Moses, John. 977.3 O700

3438 Illinois, historical and statistical, comprising the essential facts of its planting and growth as a province, county territory, and state. . . . . 2 vol. paged continuously; vol. 1: 1–551 p.; vol. 2: 553–1316 p. il. pl. por. facsim. maps. O. Chicago 1889–1892.

Parrish, Randall. 977.3 Q500

61915 Historic Illinois, the romance of the earlier days, by Randall Parrish . . . with map and fifty illustrations. Second edition. Chicago, A. C. McClurg & Co., 1906.

xiv, [2], 15–479 p. front., plates, ports., fold. map, facsim. 24cm.

977.316 Chicago

Andreas, Alfred Theodore. L977.316 O400

6830 History of Chicago. From the earliest period to the present time. . . . . 3 vol. pl. por. maps. sq. F. Chicago: A. T. Andreas Co., 1884–1886.

Chicago. *Bureau of Statistics and Municipal Library.* 977.316 Q800

65527 The Chicago city manual, containing a list of the executive and other city officers, with descriptions of their duties; lists of the Aldermen and of the committees of the City Council and the rules regulating that body and many other matters . . . . Compiled by Francis A. Eastman, city statistician. Chicago, Bureau of Statistics and Municipal Library, 1908.

203, iv p. incl. tables. 1 pl., 2 port., 1 fold. plan. 23½cm.

Moses, [John], & Kirkland, [Joseph], *editors.* L977.316 P501

2978 Aboriginal to metropolitan. History of Chicago, Illinois. 2 vol. il. pl. por. pl. of por. maps. Q. Chicago: Munsell & Co., 1895.

Murphy, Richard J , *comp.* 977.316 Q404

46901 Chicago at a glance. A condensed and complete guide of the western metropolis, containing a fine colored street number map, showing the new city limits: the grounds on which the World's Columbian Exposition was held; the location of streets, parks, boulevards, railroads, electric suburban railways and street car lines. . . . . Compiled and revised to date by Richard J. Murphy. Chicago, E. R. Walsh, [1904?].

122, [12] p. illus. 18cm.

Blank pages at end, for memoranda.

Advertisements, p. [1–12].

———. Blanchard's Map of Chicago with the new street names. [Chicago, 1904?]

96 x 60½cm., bound 24½cm.

Winchell, Samuel Robertson. 977.316 Q500 977.316 Chicago

61923 Chicago past and present; a manual for the citizen, the teacher and the student; history, government, officials, their duties and salaries . . . . By S. R. Winchell . . . . Chicago, A. Flanagan Company, 1906.

247 p. illus. 20cm.

Roosevelt, Theodore. 978 O900 978 Western States

2734 The winning of the West. 4 vol. maps. O. New York: G. P. Putnam's Sons, 1894–1896, c. 1889–1894.

Contents: Vol. 1. From the Alleghanies to the Mississippi, 1769–1776. Vol. 2. 1777–1783. Vol. 3. The founding of the trans-Alleghany commonwealths, 1784-1790. Vol. 4. Louisiana and the Northwest, 1791–1807.

Chapin, Frederick Hastings. 979 P200 979 Pacific slope

12043 The land of the Cliff-Dwellers. [2],188 p. 64 pl. 3 maps. D. Boston: W. B. Clarke & Co., 1892.

Elliott, Henry Wood. 979.8 O600 979.8–979.9 Territories and dependencies of United States

2509 Our Arctic province, Alaska, and the Seal Islands. xv,473 p. il. 49 pl. 3 maps. O. New York: C. Scribner's Sons, 1887.

Willoughby, William Franklin, 1867– 325.373 Q500

61998 . . . . Territories and dependencies of the United States, their government and administration, by William Franklin Willoughby . . . . New York, The Century Co., 1905.

xi, 334 p. 20cm. (The American state series.)

"Bibliographical note: Official publications regarding the territories and dependencies of the United States," p. 325–330.

Polk & Co., R. L. *publishers.* 979.8 1 974–979 State directories of the United States (Arranged alphabetically by states)

41592 R. L. Polk & Co.'s Alaska-Yukon gazetteer and business directory. . . . . Seattle, Wash., St. Paul, Minn., 1903.

1903. 24cm.

Polk & Co., R. L., *Detroit.* 976.7 1

12546 Polk's Arkansas state gazetteer and business directory . . . . Detroit, R. L. Polk & Co., [1898]–c1906.

Vol. 4–5, 1898–1899, 1906–1907. 24cm.

California state gazetteer. 979.4 1

61955 . . . . California state gazetteer and business directory, ... San Francisco, Cal., Suits-Shuman Company, 1904.

Vol. 1, 1904–1905. 24cm.

Colorado. 978.8 1

41948 . . . . Colorado state business directory. With Colorado mining directory department. . . . . Denver, Colorado, The Gazetteer Publishing Co., 1904.

Vol. 30, 1904. 24cm.

974–979 State directories of the United States (Arranged alphabetically by states)

Polk & Co., R. L., *Detroit.* 979.6 1

54354 Idaho state gazetteer and business directory, ... Issued biennially by R. L. Polk & Co., ... St. Paul, Minn., ^{c}1903.

Vol. 2, 1903–1904. 23^{cm}.

Illinois state gazetteer. 977.3 3

41625 Illinois state gazetteer and business directory. . . . . Chicago, R. L. Polk & Co., 1882–1893.

Vol. 3, 7–8, 1882, 1890–1893. 23½^{cm}.

Advertising matter interspersed.

Indiana state gazetteer. 977.2 1

7522 Indiana state gazetteer and business directory. Seventh edition. 1895. . . . . 1075 p. O. Indianapolis, Ind.: R. L. Polk & Co., [1896].

Polk & Co., R. L., *Detroit.* 977.7 1

7586 b Polk's Iowa state gazetteer and business directory. . . . . Published biennially. Des Moines, Chicago, [etc.], R. L. Polk & Co., ^{c}1897–^{c}1908.

Vol. 9, 11–14, 1897–1898, 1901–1908. fronts. (fold. maps.) 24^{cm}.

Polk's Kansas state gazetteer. 978.1 1

21280 b Polk's Kansas state gazetteer and business directory, including a complete business directory of Kansas City, Mo. . . . . Detroit, Chicago, [etc.], ^{c}1904–^{c}1908.

Vol. 10–11, 1904–1908. 24^{cm}.

Kentucky state gazetteer. 976.9 1

7524 Kentucky state gazetteer and business directory. 1896. . . . . 1296 p. O. Detroit: R. L. Polk & Co., c. 1895.

Polk & Co., R. L., *Detroit.* 975.2 5

55719 . . . . Maryland, Delaware and District of Columbia state gazetteer and business directory . . . . Published biennially . . . Baltimore, Md., R. L. Polk & Co., ^{c}1906–.

Vol. 22–, 1906/7–. front. (fold. map). 25^{cm}.

Includes R. L. Polk & Co.'s Baltimore business directory.

The Library has a copy of this directory for every third issue only.

Massachusetts. 974.4 2

2966 Massachusetts year book, ... Continued from vol. 2. 1896. il. pl. map. D. Worcester: F. S. Blanchard, c. 1896–.

Vol. 2–4 compiled by Alfred S. Roe.

With slight variations in subtitle.

974–979 State directories of the United States (Arranged alphabetically by states)

Polk & Co., R. L., *Detroit.* 977.4 1

7523 . . . . Michigan state gazetteer and business directory. Also containing a business directory of Windsor and Walkerville, Ontario. . . . . Published biennially by R. L. Polk & Co. . . . . Detroit, c1897–c1905.

1897, 1901, 1905–1906. 3 vol. fronts. (maps). 24cm.
1897, 1901 title reads: Michigan state gazetteer and business directory.

Polk & Co., R. L., *Detroit.* 978 1

22376 . . . . Minnesota, North and South Dakota and Montana gazetteer and business directory. . . . . St. Paul, Minn., R. L. Polk & Co., c. 1900–.

Continued from vol. 12, 1900–1901. 24cm.
At head of title of vol. 13–: Established in 1870. Northwestern gazetteer.
Published biennially.

Polk & Co., R. L., *publishers.* 977.8 1

12395 Missouri state gazetteer and business directory. 1898–99. Twenty-third year. . . . . Published biennially. 2132 p. O. St. Louis, Mo., c. 1898.

Polk-McAvoy Directory Co., *Omaha.* 978.2 5

55846 Nebraska state gazetteer and business directory . . . . Issued every odd year. Omaha, Neb., Polk-McAvoy Directory Co., c1907.

Vol. 11, 1907. 24cm.

New England business directory. 974 1

37489 The New England business directory and gazetteer no. XX. Containing lists of the merchants, manufactures, and professional men throughout Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut. Also court, state and county officers . . . 1902. Boston, Mass., Sampson Murdock, & Co., c1902.

V. 20. 1 fold. map. 24cm.

Gazetteer Publishing Company, *Denver.* 978.9 :

58450 . . . . New Mexico business directory, including El Paso, Texas, with live stock department, wool growers' department, classified department. . . . . Denver, Colorado, the Gazetteer Publishing Co., 1905.

Vol. 2, 1905/6. 23½cm.

Williams & Co., *publishers.* L977.1 1

7790 Williams' Ohio state directory . . . . 1896. 871,[1],95 p. Q. Cincinnati, c. 1895.

974-979 State directories of the United States (Arranged alphabetically by states)

Polk & Co., R. L., *Detroit.* **976.5 1**

52924 R. L. Polk & Co's Oklahoma and Indian Territory gazetteer and business directory .... Published biennially. .... Detroit, R. L. Polk & Co., 1902–c1907.

1902–1903, 1907–08. fronts. (fold. maps.) 24cm.
Title varies.

Polk & Co., R. L., *publishers.* **979.5 1**

37349 Oregon and Washington gazetteer and business directory 1903–1904 ... [Portland] c1903.

1903–04. 24cm.

Polk, R. L., & Co., *publishers.* **974.8 1**

38459 Polk's Pennsylvania state gazetteer and business directory. ... Pittsburg, [etc.] R. L. Polk & Co., c1903.

Vol. 5, 1903–04. fold. map. 24½cm.

Utah state gazetteer. **979.2 1**

22401 b Utah state gazetteer and business directory. .... Salt Lake City, Utah, R. L. Polk & Co., c1900–c1908.

Vol. 1–3, 1900–1909. 24cm.

Hill Directory Company, *Richmond, Va.* **L975.5 1**

58534 Virginia business directory and gazetteer. .... Containing the names of the merchants, manufacturers, professional men and farmers of the entire state; also a list of the post-offices, express and telegraph offices, map, constitution of Virginia and much other valuable information. .... Richmond, Virginia, Hill Directory Company, 1906.

Vol. 8, 1906. map. 25½cm.

Polk & Co., R. L., *Detroit.* **975.4 1**

22814 West Virginia state gazetteer and business directory. Detroit, R. L. Polk & Co., c1900–c1908.

1900–1901, 1904–1905, 1908–1909. 3 vol. map. 24½cm.
1904–1905 t.-p. wanting.

Polk & Co., R. L., *Detroit.* **977.5 1**

7525 .... Polk's Wisconsin state gazetteer and business directory. .... Chicago, Detroit, c1897–c1905.

1897–1898, 1901–1906. 4 vol. fold. maps. 24cm.
Published biennially.

Wyoming state business directory. **978.7 1**

67537 .... Wyoming state business directory with live stock department, wool growers' department, classified department. .... Denver, Colorado, The Gazetteer Publishing Co., 1908.

Vol. 4, 1908–9. 24cm.

974–979 City directories of the United States
(Arranged alphabetically by cities)

Directory. 974.702 1

54714 a Directory ... of the cities of Albany and Rensselaer, ... Albany, N. Y., Sampson & Murdock Co., c1905–c1908.
1905, 1908. fronts. (fold. plans). 23½cm.

McCoy Directory Co., *Keokuk, Ia.* 977.305 1

60221 Aurora city directory ... including North Aurora and Montgomery. .... Rockford, Illinois, McCoy Directory Co., [1908].
Vol. 3, 1907–1908. 24cm.

Baltimore city directory. 975.206 1

22374 a Baltimore City directory .... Baltimore, R. L. Polk & Co., c1900–c1909.
Vol. 14, 20, 23, 1900, 1906, 1909. 25cm.

Boston directory. 974.410 1

4178 The Boston directory, containing the city record, a directory of the citizens, business directory and street directory. .... Boston, Sampson & Murdock Company, c1896–.
Vol. 92, 95, 98, 101–, 1896, 1899, 1902, 1905–. maps. 25cm.
Beginning with 1905 the Library has a copy of this directory for alternate years.

Upington, G., *Brooklyn.* L974.712 1

57789 Upington's General directory of the Borough of Brooklyn, City of New York. .... New York, G. Upington, 1907–.
Vol. 84–, 1907–. 27cm.
The Library has a copy of this directory for every fourth year only.

Buffalo directory. 974.7127 1

28915 The Buffalo directory ... of the residents, etc. A complete street directory of the city of Buffalo, and a classified business directory. .... Buffalo, Courier Company, 1901–.
1901–. 24cm.
The Library has a copy of this directory for every fourth year only.

Lakeside. L977.316 2

1651 The Lakeside annual directory of the city of Chicago. Embracing a complete general and business directory, miscellaneous information, and street guide. .... Continued from [vol. 1.] 1874. Q. Chicago c. 1874–.
1876–1886 compiled by Thomas Hutchinson; 1887–, by Reuben H. Donnelley.
1874–1891 are in O.
For previous years see Chicago city directory which has shelf number **977.316 1**

Chicago blue book. 977.3163

6428 The Chicago blue book of selected names of Chicago and suburban towns. Containing the names and addresses of prominent residents, ... Continued from [vol. 8]. 1897. D. Chicago, c. 1896–.

974–979 City directories of the United States (Arranged alphabetically by cities)

Mensch Directory Company, Paul, *Chicago.* **977.316 5**

22194 Chicago central business and office building directory ... with both correct telephone calls of all business houses. ... ; also city and county officials; ... ; parks, theatres, libraries, halls, hospitals, etc. Chicago, The Paul Mensch Directory Company, c1899–.

1899, 1902, 1905–. 24cm.
1899 title reads: Directory of Chicago office buildings ... ; other variations.
Beginning with 1905 the Library has a copy of this directory for alternate years.

Williams Directory Company, *Cincinnati.* **977.117 5**

15171 Williams' Cincinnati directory ... , including Avondale, ... , Clifton, ... , Linwood, Riverside, Westwood, ... Cincinnati, The Williams Directory Co., c1898–.

Vol. 48, 53, 55, 57–, 1898, 1903, 1905, 1907–. 24cm.
Beginning with 1907 the Library has a copy of this directory for every fourth year only.

Cleveland Directory Company, *Cleveland.* **977.117 1**

7585 The Cleveland directory ... : and complete street guide. ... . Cleveland, The Cleveland Directory Company, 1897–.

Vol. 27, 30, 35–, 1897, 1900, 1905–. maps. 24cm.
Beginning with 1905 the Library has a copy of this directory for every fourth year.

Columbus city directory. **977.118 1**

54493 a Columbus city directory .... Columbus, Ohio, R. L. Polk & Co., [c1905–1908].

Vol. 30, 32, 1905, 1907–1908. 24cm.

Ballenger & Richards, *Denver.* **978.822 1**

38457 ... Annual Denver city directory .... Denver, Colo., Ballenger & Richards, 1903–.

Vol. 31–, 1903–. 23½cm.
At head of title: Ballenger & Richards.
The library has a copy of this directory for every fourth year only.

Polk & Co., R. L., *Detroit.* **977.422 1**

6690 Detroit city directory .... Containing ... also a classified business directory of Windsor, Walkerville and Sandwich, Ontario. Detroit, R. L. Polk & Co., c1896–.

1896, 1899, 1902, 1905, 1907–. maps. 24cm.
Beginning with 1907 the Library has a copy of this directory for every fourth year only.

Duluth Directory Co. **977.624 1**

37377 R. L. Polk & Co's Duluth directory, ... Duluth, Minn., c1902–.

Vol. 21, 24, 26–, 1902, 1905, 1907–. 24cm.
Beginning with 1907 the Library has a copy of this directory for every fourth year only.

974–979 City directories of the United States (Arranged alphabetically by cities)

Polk & Co., R. L., *Detroit.* **977.243 1**

22407 b R. L. Polk & Co.'s Indianapolis city directory .... [Indianapolis], R. L. Polk & Co., [c1900–c1907].

Vol. 46, 51, 53, 1900, 1905, 1907. map. 24cm.

Boyd's Jersey City. **974.945 1**

54024 a Boyd's Jersey City and Hoboken directory .... Jersey City, N. J., c1905–c1908.

1905–1906, 1908–1909. 2 vol. 23cm.

Polk & Co., R. L., *Detroit.* **977.345 1**

66481 R. L. Polk & Co.'s Joliet city directory, ... Containing an alphabetical list of business firms and private citizens, a street and avenue guide, a directory of the city and county officers, ... associations, ... , etc., and a complete classified business directory of Joliet. Chicago, Springfield, [etc.], R. L. Polk & Co., c1908.

1908. 24cm.

Hoye Directory Company, *Kansas City.* **L978.146 1**

53847 .... Hoye's Kansas City directory including Kansas City, Mo., Kansas City, Kan., Independence, Mo., Argentine, Kan., Rosedale, Kan. .... Compiled ... by Hoye Directory Company. Kansas City, Mo., [1905–].

Vol. 35, 37–, 1905, 1907–. 28cm.

Beginning with 1907 the Library has a copy of this directory for every fourth year only.

Caron's directory. **976.952 1**

53848 a Caron's directory of the city of Louisville .... Louisville, Caron Directory Company, [1905]–c1908.

Vol. 35, 38; 1905, 1908. 22cm.

Polk & Co., R. L., *Detroit.* **976.856 1**

53884 a R. L. Polk & Co.'s Memphis city directory .... Memphis, Tenn., R. L. Polk & Co., c1899–c1908.

1899, 1905, 1907–1908. 24cm.

1899, 1905 called vol. 8, 14.

Wright, Alfred G., *Milwaukee.* **977.557 1**

6689 Wright's directory of Milwaukee .... Milwaukee, A. G. Wright, 1896–.

1896, 1899, 1902, 1906–. maps. 23½cm.

Beginning with 1906 the Library has a copy of this directory for alternate years.

974–979 City directories of the United States (Arranged alphabetically by cities)

Davison's Minneapolis city directory. 977.658 1

22858 b Davison's Minneapolis city directory .... [Minneapolis], Minneapolis Directory Company, c1900–c1905.

Vol. 28, 33–34, 1900, 1905–1906. maps. 23cm.

Soards Directory Co., *New Orleans.* 976.362 1

6083 .... Soards' New Orleans city directory, ... New Orleans, Soards Directory Co., ltd., [1897–].

Vol. 24, 29, 34–, 1897, 1902, 1907–. 24cm.

Beginning with 1907 the Library has a copy of this directory for every fourth year only.

Price & Lee Company, *Newark.* 974.962 75

57798 Newark directory .... Containing a general directory of the citizens, classified business directory, street directory, new map, a record of the city government, its institutions, etc. .... [Newark], The Price & Lee Company, c1907–.

Vol. 72–, 1907–. front. (fold. map). 25cm.

The library has a copy of this directory for every fourth year only.

Trow Directory, Printing and Bookbinding Co., 974.762 3

36039 *New York.*

Trow business directory of Greater New York (five boroughs combined). Arranged by boroughs and containing the names of all business persons, firms and corporations classified under appropriate heading which are fully indexed. Also street directories of the boroughs of Manhattan, Bronx and Brooklyn. New York, Trow Directory, Printing and Bookbinding Co., 1902–.

Vol. 5, 8–, 1902, 1905–. 20cm.

Beginning with 1905 the Library has a copy of this directory for alternate years.

Trow Directory, Printing and Bookbinding Co., L974.762 1

4290 *New York.*

Trow's general directory of the boroughs of Manhattan and Bronx, City of New York. .... New York, Trow Directory, Printing and Bookbinding Company, c1877–.

Vol. 91, 110, 113–, 1877, 1896, 1899–. fold. maps. 23cm.–27cm.

Previous to 1899, title reads: Trow's New York City directory.

Beginning with 1899 the Library has a copy of this directory for alternate years.

Oak Leaves Company, *Oak Park, Ill.* 977.364 1

54072 Directory of the postal district of Oak Park, Illinois, including the villages of Oak Park, River Forest and Harlem .... Oak Park, Illinois, The Oak Leaves Company, c1906.

1906. 21½cm.

Omaha Directory Company, *Omaha.* 978.264 1

49363 .... McAvoy's Omaha city directory .... Also a complete classified business directory. Omaha, Omaha Directory Company, c1905–.

Vol. 31–, 1905–. 23cm.

The Library has a copy of this directory for every fourth year only.

974–979 City directories of the United States (Arranged alphabetically by cities)

Franks' Peoria Directory Company, *Peoria, Ill.* 977.367 1

49441 Franks' Peoria city directory. . . . . Directory of the citizens, business directory, numerical street directory and an appendix of useful information, with map. Peoria, Ill., Franks' Peoria Directory Company, [1905–].

Vol. 24–, 1905–. maps. 23½cm.

The Library has a copy of this directory for every fourth year only.

Gopsill's Sons, James, *Philadelphia.* 974.868 1

6084 Gopsill's Philadelphia city directory, ... (Published annually in March.) . . . With a street guide . . . . Philadelphia, J. Gopsill's Sons, 1897–.

1897, 1901, 1905–. maps. 24½cm.

Beginning with 1905 the Library has a copy of this directory for alternate years.

Polk & Co., R. L., *Detroit.* 974.869 1

26935 b Pittsburgh and Allegheny . . . directory. . . . . [Pittsburgh], R. L. Polk & Co., & R. L. Dudley, c1900–c1907.

Vol. 45, 50, 52, 1900, 1905, 1907. maps. 23cm.–27cm.

Vol. 50, title-page (p. 41–42) wanting.

Polk & Co., R. L., *Detroit.* 979.570 1

49438 Portland city directory . . . , embracing a complete alphabetical and classified directory, miscellaneous information and street and addition guide. . . . . Portland, Oregon, R. L. Polk & Co., c1905–.

Vol. 43–, 1905–. 23½cm.

The Library has a copy of this directory for every fourth year only.

Sampson & Murdock Co., *Boston.* 974.571 1

54028 The Providence directory and Rhode Island business directory . . . . Providence, Sampson & Murdock Co., c1905.

Vol. 65, 1905. front. (fold. map). 23½cm.

Drew Allis Company, *Rochester.* 974.775 1

54478 The Rochester directory containing a general directory . . . and the city and county register . . . for the year beginning July 1, ... Rochester, The Drew Allis Company, 1903.

Vol. 54, 1903. front. (fold. plan). 24cm.

McCoy Directory Co., *Keokuk, Ia.* 977.375 1

49439 The Republic's Rockford and Winnebago County directory . . . . Containing an alphabetically arranged list . . . and a complete classified business directory. . . . . Keokuk, Iowa, McCoy Directory Co., [1905–].

Vol. 3–, 1905–. 24cm.

The Library has a copy of this directory for every sixth year only.

974–979 City directories of the United States (Arranged alphabetically by cities)

Polk & Co., R. L., *Detroit.* **977.877 20**

54054 a R. L. Polk & Co.'s St. Joseph city directory . . . . St. Joseph, Mo., R. L. Polk & Co., [1904]–c1908.

1904, 1908. 24cm.

1904 title reads: Combe Printing Co.'s . . . directory of St. Joseph and Buchanan County; called vol. 8.

Gould Directory Co., *St. Louis.* **977.877 1**

4179 Gould's St. Louis directory . . . . Being a complete index of the residents of the entire city, and a classified business directory, ... St. Louis, 1896–.

Vol. 25, 28, 31, 34–, 1896, 1899, 1902, 1905–. 23½cm.

Beginning with 1905 the Library has a copy of this directory for alternate years.

Polk & Co., R. L., *Detroit.* **977.677 1**

6688 R. L. Polk & Co's St. Paul city directory . . . . Comprising an alphabetically arranged list . . . a miscellaneous directory, . . . and a complete classified business directory. St. Paul, Minn., R. L. Polk & Co., c1896–.

Vol. 32, 35, 38, 41, 43–, 1896, 1899, 1902, 1905, 1907–. maps. 24cm.

Beginning with 1907 the Library has a copy of this directory for every fourth year only.

Polk & Co., R. L., *Detroit.* **979.277 1**

54481 R. L. Polk & Co.'s Salt Lake City directory . . . including . . . the suburbs and suburban towns. Salt Lake City, R. L. Polk & Co., c1905–.

Vol. 14, 16–, 1905, 1907–. fronts. (fold. plans). 24cm.

Beginning with 1907 the Library has a copy of this directory for every fourth year only.

Crocker Co., H. S., *San Francisco.* **979.477 1**

7527 Crocker-Langley San Francisco directory . . . . San Francisco, California, c1897–.

1897, 1900, 1905–. maps. 25cm.

Beginning with 1905 the Library has a copy of this directory for every fourth year.

Polk's Seattle Directory Co., *Seattle.* **979.780 1**

49979 . . . . Polk's Seattle city directory . . . . Comprising an alphabetically arranged list . . . and a complete business directory of Seattle. Seattle, Wash., Polk's Seattle Directory Co., c1905–.

Vol. 19–, 1905–. 23½cm.

Includes a directory of Ballard, Wash.

The Library has a copy of this directory for every fourth year only.

Polk & Co., R. L., *Detroit.* **977.782 1**

38073 R. L. Polk & Co.'s Sioux City directory . . . . Also a complete classified business directory. . . . . Sioux City, Iowa, R. L. Polk & Co., c1902–.

Vol. 18, 21–, 1902/3, 1906–. 23½cm.

Beginning with 1906 the Library has a copy of this directory for every sixth year only.

Polk & Co., R. L., *Detroit.* **977.383 1**

53907 Polk's Springfield city directory for the year commencing September 1st, ... Springfield, Illinois, R. L. Polk & Co., c1905.

1905. 23½cm.

974–979 City directories of the United States (Arranged alphabetically by cities)

Sampson & Murdock Co., *Boston.* 974.785 1

54687 The Syracuse directory ... containing ... city, county and state registers ... . Syracuse, N. Y., Sampson & Murdock Co., c1905.

Vol. 48, 1905. front. (fold. plan). 24cm.

Polk & Co., R. L., *Detroit.* 977.188 1

54495 ... . Polk's Toledo city directory ... . Toledo, Ohio, The Toledo Directory Co., 1905.

Vol. 40, 1905/6. front. (fold. plan). 24cm.

Boyd, W Andrew, *comp.* 975.3 1

26940 Boyd's Directory of the District of Columbia, ... Embracing a compendium of the government of the United States, ... and of the government of the District of Columbia and its institutions. ... . Washington, D. C., R. L. Polk & Co., c1901–.

1901, 1906–. 24cm.

1901 published by W. H. Boyd.

Beginning with 1906 the Library has a copy of this directory for alternate years.

Wright, Alfred G., *Milwaukee.* 977.596 1

54076 Wright's Directory of Waukesha ... together with rural routes of Waukesha County ... . Milwaukee, Wis., A. G. Wright, 1906.

Vol. 7, 1906–1907. 22½cm.

980 SOUTH AMERICA

Akers, Charles Edmond. 980 Q500

49918 A history of South America 1854–1904. By Charles Edmond Akers. With illustrations. New York, E. P. Dutton & Co., 1905.

xxviii, 696 p. 5 pl., 97 ports. on 22 pl. incl. front., 7 maps (partly fold.) 23½cm.

International bureau of the American Republics, L980 P700

61908 *Washington, D. C.*

Commercial directory of the American republics, comprising the manufactures, merchants, shippers, and banks and bankers engaged in foreign trade; together with the names of officials, maps, commercial statistics, industrial data, and other information concerning the countries of the international union of American republics, the American colonies, and Hawaii ... . Compiled by the Bureau of the American Republics ... Washington, Gov't Print. Off., 1897–1898.

2 vol. fronts., maps (partly fold.) 30cm.

Vol. 1 and the greater part of vol. 2 compiled under the direction of J. P. Smith.

English, Spanish, Portuguese, and French. Vol. 2 has t.-p. in each language.

Contents. — vol. 1. Argentine Republic. Bolivia. Brazil. Chile. Colombia. Costa Rica. Ecuador. Falkland Islands. Greater republic of Central America. Guatemala. The Guianas. Haiti. Hawaii. Honduras. British Honduras. 1897. liv, 1069 p.— vol. 2. Mexico. Nicaragua. Paraguay. Peru. Salvador. Santo Domingo. United States. Uruguay. Venezuela. West Indian colonies. 1898. xxxviii, 1589 p.

980 South America

Keane, Augustus Henry. 980 Q100

28779 Central and South America. Edited by Sir Clements Markham. 2 vol. il. pl. maps. O. (Stanford's compendium of geography and travel. New issue.) London: E. Stanford, 1901.

Pepper, Charles Melville, 1859– 980 P600

63526 Panama to Patagonia; the Isthmian canal and the west coast countries of South America, by Charles M. Pepper . . . . Chicago, A. C. McClurg & Co., 1906.

xx, [2], 398, [2] p. front., 35 pl., 2 port., 4 fold. maps. 23cm.

Philadelphia Commercial Museum. L380.98 Q600

64992 Foreign commercial guide. South America. Edited by Edward James Cattell assisted by H. S. Morrison and A. C. Kauffman. [Philadelphia], The Philadelphia Commercial Museum, c1906

[2], 284, 22 p. incl. maps. 31½cm.

Reclus, Elisée. L910.2 O304

5796 The earth and its inhabitants. South America. Edited by A. H. Keane. 2 vol. il. pl. maps. Q. New York: D. Appleton & Co., 1894–1895.

Contents: Vol. 1. The Andes regions. Vol. 2. Amazonia and La Plata.

Scruggs, William Lindsay, 1836– 980 Q501

61985 The Colombian and Venezuelan republics, with notes on other parts of Central and South America, by William L. Scruggs . . . . New edition, with a chapter on the Panama canal. Boston, Little, Brown, and Co., 1905.

xii, [2], 380, [2] p. front., 9 pl., 3 fold. maps. 21cm.

"The following pages contain a brief account of the Author's personal experiences, observations, and studies in Central and South America, and more particularly in the republics of Colombia and Venezuela, during the period of twenty-seven years, from 1872 to 1899." — Introd.

Winsor, Justin, *editor.* L970 O900

382 Narrative and critical history of America. 8 vol. il. pl. por. maps. Q. Boston: Houghton, Mifflin, & Co., 1884–1889.

Vol. 1 printed in 1889. Vol. 2 copyrighted in 1886.

Contents: Vol. 1. Aboriginal America. Vol. 2. Spanish explorations and settlements in America from the fifteenth to the seventeenth century. Vol. 3. English explorations and settlements in North America, 1497–1689. Vol. 4. French explorations and settlements in North America and those of the Portuguese, Dutch, and Swedes, 1500–1700. Vol. 5. The English and French in North America, 1689–1763. Vol. 6–7. The United States of North America. Part 1–2. Vol. 8. The later history of British, Spanish, and Portuguese America.

Argentine year book. 982 2 982 Argentine Republic

46228 The Argentine year book. ... With which are incorporated the "Anuario pillado" and "John Grant's Argentine commercial guide". .... Buenos Aires, J. Grant & Son, [1903–].

1902/3, 1907/8–. illus., maps. 22cm.

Beginning with 1908 the Library has a copy of this annual for every third year.

Chile. L380.983 20 983 Chile

60584 Chile of to-day; its commerce, its production and its resources. National yearly publication of reference .... By Adolfo Ortúzar, ... New York, the author, 1907.

Vol. 1, 1907/8. 27½cm.

990-997 AUSTRALASIA. OCEANICA

Colquhoun, Archibald Ross, 1848– 990 Q200

50253 The mastery of the Pacific, by Archibald R. Colquhoun .... New York, London, The Macmillan Company, 1902.

xvi, 440 p. front., illus., pl., maps. 23½cm.

Contents. — Introduction. — The United States in the Pacific. — Great Britain in the Pacific. — The Dutch in the Pacific. — Japan in the Pacific. — Other powers in the Pacific. — Conclusion.

Reclus, Elisée. L910.2 O305

5797 The earth and its inhabitants. Oceanica. Edited by A. H. Keane. vii,512 p. 226 il. 38 pl. 5 maps. Q. New York: D. Appleton & Co., 1890.

Wallace, Alfred Russel. 990 P300

4339 Australasia. .... (New issue.) 2 vol. il. pl. maps. D. (Stanford's compendium of geography and travel.) London: E. Stanford, 1893–1894.

Contents: Vol. 1. Australia and New Zealand. Vol. 2. Malaysia and the Pacific archipelagoes.

Vol. 2 edited and greatly extended by F. H. H. Guillemard.

Foreman, John. 991.4 P900 991.4 Philippine Islands

17924 The Philippine Islands. A political, geographical, ethnographical, social and commercial history of the Philippine archipelago and its political dependencies, embracing the whole period of Spanish rule. Second edition, revised and enlarged. xvi,653 p. 17 pl. 1 pl. of por. 2 por. 2 maps, 1 map in pocket. O. New York: C. Scribner's Sons, [printed in London], 1899.

991.4 Philippine Islands

Le Roy, James A 309.914 Q500

61914 Philippine life in town and country, by James A. Le Roy .... New York and London, G. P. Putnam's Sons, 1906.

[8], vii–x, [2], 311 p. front., 15 pl., fold. map. 19cm. (*Half-title:* Our Asiatic neighbours.)

Partly reprinted from the Political science quarterly for December, 1903, and the Atlantic monthly for March, 1905.

Sawyer, Frederic Henry. 991.4 Q001

28642 The inhabitants of the Philippines. xxviii,422 p. 36 pl. 2 por. 3 maps, 1 in pocket. O. London: Sampson Low, Marston & Co., 1900.

Worcester, Dean Conant. 991.4 P801

13959 The Philippine Islands and their people. A record of personal observation and experience, with a short summary of the more important facts in the history of the archipelago. xix,529 p. il. 1 pl. 2 maps. O. New York: Macmillan Co., 1898.

Contains a reproduction of the "Mapa de las yslas Philipinas hecho por Pedro Murillo Velarde".

Wright, Hamilton Mercer, 1875– 991.4 Q700

39651 A handbook of the Philippines, by Hamilton M. Wright; with three new maps, made especially for the book, and one hundred and fifty illustrations from photographs. Chicago, A. C. McClurg & Co., 1907.

xvii, 431 p. incl. tables. front., plates, fold. maps. 19½cm.

992.2 Java

Scidmore, Eliza Ruhamah. 992.2 P700

15763 Java the garden of the East. xiv,339 p. 2 il. 35 pl. paged in. 1 pl. D. New York: Century Co., 1898.

993 Australasia

Jenks, Edward, 1861– 993 P500

52192 A history of the Australasian colonies (from their foundation to the year 1893) by Edward Jenks, ... Stereotyped edition. Cambridge, University Press, 1896.

xvi, 352 p. incl. pl. 2 fold maps. 19½cm. (*Half-title:* Cambridge historical series. .... .)

Romilly, Hugh Hastings. 993 O600

3289 The western Pacific and New Guinea: notes on the natives, Christian and cannibal, with some account of the old labour trade. Second edition. vi,[2],284 p. 1 map. D. London: J. Murray, 1887.

993.1 New Zealand

New Zealand. *Registrar-General's Office.* 993.1 1

57898 The New Zealand official year-book ... prepared under instructions from the ... Premier by ... [the] Registrar-General. Wellington, Gov't Printer; London, Eyre and Spottiswoode, 1892–.

Continued from vol. 1, 1892. fronts., plates, maps, tables. 21½cm.

Vol. 1 title reads: New Zealand official handbook.

Parsons, Frank, 1854– 309.931 Q300 993.1 New Zealand

61958 The story of New Zealand; a history of New Zealand from the earliest times to the present, with special reference to the political, industrial and social development of the island commonwealth; including the industrial evolution dating from 1870, the political revolution of 1890, the causes and consequences, and the general movement of events throughout the four periods of New Zealand history. By Prof. Frank Parsons. Edited ... by C. F. Taylor. Philadelphia, C. F. Taylor, 1904.

xxii, [2], 836 p. incl. front., illus., maps. 24cm. (Equity series.)
Bibliography, p. 804–812.

Guppy, Henry Brougham. L993.5 O700 993.5 Solomon Islands

3456 The Solomon Islands and their natives. xvi,384 p. il. 9 pl. 1 map, 1 pl. of music. Q. London: Swan Sonnenschein, Lowrey & Co., 1887.

Hutchinson's Australasian encyclopædia. 994 P200 994 Australia

3276 Hutchinson's Australasian encyclopædia. Comprising a description of all places in the Australasian colonies, an account of the events which have taken place in Australasia from its discovery to the present date, and the biographies of distinguished early colonists. By George Collins Levey. [4],437 p. 1 map. D. London: Hutchinson & Co., 1892.

Tregarthen, Greville. 994 P301

61943 Australian commonwealth (New South Wales, Tasmania, Victoria, Western Australia, South Australia, Queensland, New Zealand) by Greville Tregarthen .... Third edition. New York, G. P. Putnam's Sons; London, T. F. Unwin, 1903.

xxiv, 444 p. incl. front., illus., ports., maps, diagr., fold. map. 20cm. [The story of the nations.]

Churchward, William B. 996.1 O700 996.1 Samoa

11696 My consulate in Samoa. A record of four years' sojourn in the Navigators Islands, with personal experiences of King Malietoa Laupepa, his country, and his men. xii,[2],403 p. O. London: R. Bentley & Son, 1887.

[Bishop], Isabella L. [*born*] Bird. 996.9 N500 996.9 Hawaii

8523 The Hawaiian Archipelago. Six months among the palm groves, coral reefs, and volcanoes of the Sandwich Islands. Seventh edition. xv,[1],318 p. il. 1 pl. 1 map. D. New York: G. P. Putnam's Sons, 1894.

Blackman, William Fremont. 309.969 P900

22561 The making of Hawaii. A study in social evolution. xii,266 p. 1 il. O. New York: Macmillan Co., 1899.

"Bibliography," p. 257–262.

998 ARCTIC REGIONS

Greely, Adolphus Washington, 1844– **998 Q600**

63508 Handbook of polar discoveries, by A. W. Greely . . . . Third edition, revised and enlarged. Boston, Little, Brown, and Co., 1906.

iv, [6, 3]–325 p. front. (ports.), 12 maps (4 fold.) 20cm.
Issued in 1896 under title: Handbook of Arctic discoveries.
"Arctic bibliography," p. [264]–269.
References at end of chapters.

Hoare, J Douglas. **998 Q603**

63972 Arctic exploration; by J. Douglas Hoare. London, Methuen & Co., [1906].

viii, 314 p. front., 18 pl., 4 maps. 22½cm.

Nansen, Fridtjof. **998 P601**

7303 Fridtjof Nansen's "Farthest north." Being the record of a voyage of exploration of the ship Fram, 1893–96, and of a fifteen months' sleigh journey by Dr. Nansen and Lieut. Johansen. With an appendix by Otto Sverdrup, captain of the Fram. 2 vol. il. pl. por. maps. O. Westminster: A. Constable & Co., 1897.

INDEX

A

A. L. A. catalog, 2
A. L. A. portrait index, 28
Abbe, C., 229
Abbott, A. V., 205
— E. A., 169
— L., 65
— T. K., 61
Abbreviations, 36
Abel, Mrs. M. H., 310
Abercromby, R., 229
Abney, Sir W. de W., 373
Aboriginal to metropolitan, 440
Académie royale des sciences, des lettres et des beaux-arts, Brussels, 405
Accounting, 321-322
Acetylene, 332
Acton, E. H., 251
Adams, C. F., jr., 318
— C. K., 28, 40
— E. L. S., 313
— Sir F. O., 126
— G. B., 79
— H. C., 73, 118, 119
— O. F., 405
— W. D., 41
Addams, J., 72, 73, 106
Adeline, J., 356
Adler, F., 154
Administration, 132-138
Advertising, 322
Aerodynamics, 200
Aesthetics, 54, 57-58
Aflalo, F. G., 378
Afloat on the Ohio, 440
Africa, 431-432
— colonization, 96
Agassiz, A., 237
— L., 259
Age of fable, 68
Agricultural experiment stations, 25-26
Agriculture, 303-309
— bibliography, 25-26
— economics, 105
— encyclopedias, 303
Air, 216
— engines, 289
Airships, 200
Aitken, T., 297
Akademie der Wissenschaften, Munich, Historische Kommission, 405
Akers, C. E., 451
Aladdin oven, 311
Alaska, 441
Alaska-Yukon gazetteer, 441
Albany directory, 445
Algebra, 183-184
Alkali, 327
Allegheny directory, 449
Allen, A. H., 215
— G., 236, 239, 250, 251, 252
— J. H., 177
— O. D., 220
Alleyne, S. F., 49, 64
Allgemeine deutsche Biographie, 405
Allegemeines Künstler-Lexicon, 360
— Lexikon der bildenden Künstler, 361
Allibone, S. A., 1-2
Alloys, 339
Allusions, 40, 41
Almanach de Gotha, 43
Almanacs, 40, 42-43
Alternating currents, 208
Altitudes, 230
Aluminium, 337
America, biography, 405-406
— discovery, 438
— history, 433-453
— — bibliography, 28-29
— insects, 269
— myths, 69
American and English encyclopædia of law, 125
— annual of photography, 374
— business and accounting encyclopædia, 313
— college & private school directory, 149
— dictionary of printing and book-making, 315
— encyclopedia of commerce, 274
— Institute of Architects, 27
— Iron and Steel Association, 336
— Library Association, 2, 7, 8, 27, 28, 29, 30
— literature, 383-384
— — bibliography, 1-2
— manual of values, 113
— Manual Training Association, 17
— mining code, 293
— newspaper annual, 8
— Ornithologists' Union, 272
— Society of Mechanical Engineers Committee on Boiler Tests, 328
— street railway investments, 318
— supplement to Encyclopædia Britannica, 37
Americana, 37
Americanisms, 170
Americans in process, 85
Ames, A. F., 183
— J. G., 15
— J. S., 194
Ammonia, 335
Amphioxus, 271
Amstutz, N. S., 375
Amusements, 378-380
Analytical chemistry, 215-221
— geometry, 185-186
— statics, 198
Anarchism, 118
Ancient city, 78
— society, 414
Anderson, R. B., 68, 387
Andés, L. E., 330, 342
André, G. G., 275
Andreas, A. T., 440
Andree, R., 397, 398

Andrews, C. M., 421
— C. W., 9
— E. B., 62
— H., 374
Anglo-Saxon race, 242
Angot, A., 191
Animal as a machine, 199
— fats, 330
— habits, 266-267
— industry, bibliography, 25
— parasites, 268
— psychology, 54, 267
— studies, 260
Annales de la science agronomique, 26
Annals of our time, 391, 392
Annandale, C., 167
Annealing, 341
Annuaire-almanach du commerce, 426
Annual library index, 3
— literary index, 3
— register, 42
Anson, Sir W. R., bart., 126
Anschütz, R., 223
Anthropology, 239, 241-243
— bibliography, 21
Antonyms, 169
Ants, 270
Anuario pillado, 453
Anvers, N. d'., 240
Apgar, A. C., 272
Appearance, 49
Appleton & Co., D., 398
Appletons' cyclopædia of American biography, 405
— cyclopædia of applied mechanics, 274
— cyclopædia of technical drawing, 369
Applied sciences, 274-355
Apthorp, W. F., 376
Aquariums, 261-262
Arbitration, 107
Archæology, 239-241, 401
Archibald, E. D., 229
Architects, 411, 413
Architects' directory, 365
Architectural construction, 365
— engineering, 348
Architecture, 363-366
— bibliography, 27
Arctic regions, 456
Argentine Republic, 453
— year book, 453
Argumentation, 59
Aristoteles, 63, 64
Arithmetic, 153, 183
Arkansas gazetteer, 441
Armstrong, W., 359, 366
Arnold, H. L., 321
— M., 147
— T., 147
Arrhenius, S. A., 214
Art, 356-378
— bibliography, 27
— mediæval, 360
— municipal, 136
— needlework, 370
— prehistoric, 240-241
Art and life, 357
Arthur, J. C., 251
— W. H., 135
Artistic anatomy, 265
Artists, 360-361, 411-413
Arts and crafts essays, 367
Arts and Crafts Exhibition Society, London, 357, 367
Aryan mythology, 68, 69
Aryans, 242
Ashbee, C. R., 357
Ashley, R. L., 127
— W. J., 102
Asia, 429-431
— colonization, 96
Asia Minor, 360
Asiatic Russia, 431
Askew, J. B., 74
Aspects of the social problem, 72
Asphalt, 331
— pavement, 297
Assaying, 337-338
Association of Engineering Societies, Chicago, 23
Assyria, 414
— art, 359
— social life, 78
Astronomers, 188
Astronomy, 187-193
Atkinson, E., 194, 311
— G. F., 248, 257
Atlantic telegraph, 205
Atlas of meteorology, 229
— of the world's commerce, 155
Atlases, 398-401
Atlay, J. B., 125
Atmosphere, 229
Atoms, 178, 214
Attfield, J., 210
Atwater, W. O., 311
Auditing, 322
Audubon, J. J., 262
— M. R., 262
Augé, C., 44
Aurora borealis, 191
Aurora, Ill., directory, 445
Austen, P. T., 222
Australasia, 453-455
Australia, 455
— colonization, 97
Austria, 81
Authors, 315, 413
Automobiles, 296-297
Automobiling, 379
Avebury, J. Lubbock, 1st baron, 76, 239 267, 270
Aveling, E., 117
Avery, E. McK., 194
Ayer & Son, N. W., 8
Ayres, A., 171
Aztecs, 84, 242

B

Bacon F., baron Verulam, 64
— J. L., 346
Bacteriology, 257-259
Baedeker, K., Leipzig, 436
Bagehot, W., 69, 111
Bailey, F. H., 185
— L. H., 303, 304, 305, 306, 307, 308
Bain, A., 63
— R. N., 427
Baird, S. F., 272
Baker, A., 164
— E. A., 27

Baker, F. G., 428
— F. T., 166
— G. P., 59
— I. O., 297, 352
— M. N., 134, 299, 300, 302
— T., 377
Baldwin, E. L., 57, 267
— J., 35, 149
— J. M., 47, 52, 53, 55
— S. E., 131
— W. J. S., 354
Balfour, F. M., 265
— I. B., 251, 254
Balkan Peninsula, 429
Ball, J. D., 429
— Sir R. S., 187, 188, 189, 190, 191
— W. W. R., 183
Balloons, 200
Ballenger & Richards, Denver, 446
Baltimore directory, 445
Bancroft, G., 127
Bankers' directory, 112
— encyclopedia, 112
Banking, 110-114
Banks, N., 25
Banks of issue, 112
Barber, E. A., 366
— T. W. 283
Bardeen, C. W., 147, 154
Baretti, G., 176
Barnett, G. E., 13
— P. A., 145, 149
Barr, W. M., 290
Barrère, A., 170
Bartholomew, J. G., 155, 229, 399, 422
Bartlett, J., 382
— J. R., 170
Bartley, E. H., 210
Bastable, C. F., 118, 157
Bastian, H. C., 55
Bateman, G. C., 261
Bather, F. A., 260, 397
Battles, 138
Baynes, R. E., 202
Beach, E. H. 313
— F. C., 37
Beagle, Ship, 238
Beard, D. C., 378
Beaumont, R., 345
Beazley, C. R., 396
Beccaria, C. B., marchese di., 128
Beck, C., 374
— R., 232
Becker, B. H., 45
Beckmann, J., 279
Beddard, F. E., 268
Bedson, P. P., 213
Beeman, N., 293
Bees, 270-271, 309
Beeson's marine directory, 319
Beetles, 270
Beet-sugar, 329
Behaghel, O., 172
Behrens, W. J., 248
Beilstein, F. K., 222
Belgium, 428
— bibliography, 2
— biography, 405
— social life, 82
Bell, Sir J., bart., 134
— L., 208
— T. F., 343
Bemis, E. W., 136
Benham, W. G., 382
Benjamin, P., 274
Benn, A. W., 49
Bennett, C. E., 177
Berg, E. J., 208
— L. de C., 348
Berghaus, H., 225, 228
Beringer, C., 337
— J. J., 337
Berkeley, M. J., 248, 257
Berlin, 424
Bernard, H. M., 260, 265
— M., 265
Bernstein, J., 56
Bernthsen, A., 222
Berry, A., 188
Bersch, J., 325
— W., 323
Berthelot, M. P. E., 212
Bertillon, J., 86
Best books, 2-3
Bevan, E. J., 342
Beverages, 328-329
Beyer, O. W., 55
Biart, L., 84
Bible, 67
Bibliographia bibliographica, 7
— economica universalis, 11
— sociologica, 11
— zoologica, 22
Bibliographie de Belgique, 2
— der Arbeiterfrage, 13
— der deutschen Zeitschriften-Litteratur, 5
— der Sozialwissenschaften, 11
Bibliography, 1-30
— of bibliographies, 6-7
— of periodicals, 8-10
— of special subjects, 10-29
Bibliotheca entomologica, 22
— zoologica, 22, 23
Biedermann, R., 6, 24
Bigmore, E. C., 315
Billings, J. S., 302
Bimetallism, 112-113
Binder, R. M., 72
Binet, A., 269
Biographical directory of the railway officials of America, 318
Biographie nationale, 405
— nationale des contemporains, 405
— universelle, 403
Biography, 402-414
— bibliography, 28
Biologists, 237-239
Biology, 235-239
Birkmire, W. H., 365
Bird, I. L., 455
Birds, 272-273
Birdwood, Sir G. C. M., 367
Bishop, I. L. B., 455
Björkman, C. G., 173
Black, J. S., 67
Blackman, W. F., 86
Blacksmithing, 346
Blain, H. E., 314
Blaine, R. G., 288
Blair, A. A., 219
Blake, J. F., 188
Blake, Steamer, 237
Blanc, C., 371

Blanchan, N., 272
Blanchard, R., 439
Blind, 142
Bliss, E. M., 68
— W. D. P., 72
Blount, B., 208, 323
Blow, S. E., 152
Blow-pipe analysis, 220
Bloxam, A. G., 323
Blue book of American shipping, 319
— of the State of Illinois, 137
— textile directory, 343
Bluntschli, J. K., 90
Blyth, A. W., 218, 219
— M. W., 218, 219
Boase, F., 404
Böckmann, F., 215, 216
Bodley, J. E. C., 92
Boettger, O., 260
Bogart, E. L., 103
Böhm-Bawerk, E. von, 98
Boilers, 288
Boland, H., 321
Bolland, S., 338
Bolles, A. S., 110
Bolton, H. C., 8, 19
Boltwood, B. B., 220
Bonds, 113-114
Bonney, T. G., 226
Bookbinding, 347-348
Bookcollecting, 46
Book illustration, 47
Bookkeeping, 321
Bookmaking, 315-317
Book of Chicagoans, 407
Book of days, 382
Book-plates, 47
Book review digest, 3
Book trade, 317
Booth, C., 108
— W., 124
— W. H., 302
Borchers, W., 209
Börnstein, R., 196
Bosanquet, B., 57, 58, 72, 73, 89
— H. D., 160
Bosnia-Herzegovina, 240
Boston cooking-school cook book, 311
— directory, 445
— Public Library, 8, 21, 29
— South End House, 84, 85
Botany, 248-257
— bibliography, 22
Bouchot, H., 315
Bouillet, M. N., 389
Boulger, D. C., 429
— D. C. de K., 82
— G. S., 341
Bourne, H. E., 390
— H. R. F., 45
Bourry, E., 332
Boutmy, E. G., 79
Bowen, F., 84
Bowker, R. R., 3, 11
Bowley, A. L., 86
Boyd, W. A., 451
Boyd's Jersey City and Hoboken directory, 447
Boyesen, H. H., 428
Brabrook, E. W., 115
Brachet, A., 174, 175
Brackett, A. C., 145
Bradley, A. C., 61
— F. H., 49
— H., 170
Brand, J., 160
Brannt, W. T., 209, 329, 334, 335, 338, 339
Brassey, T., 1st baron, 104
Bread-making, 311
Breeding, 252, 263-264, 308
Brehm, A. E., 260
Brewer, E. C., 41
— T. M., 272
Brewing, 329
Brewster, Sir D., 181
Bricks, 332
Bridges, 295
Briefs for debate, 74
— on public questions, 75
Briggs, J. F., 342
— W., 184
Brigham, A. P., 226
Brinton, D. G., 65, 163, 242
British parliamentary publications, 16
— trade year-book, 156
Britten, F. J., 346
Britton, N. L., 255
Brochner, J., 82
Brockhaus' Konversations-Lexikon, 43
Bronson, Mrs. A., 422
Brooke, S. A., 385
Brooker, A., 205
Brookings, W. Du B., 74
Brooklyn directory, 445
— Ethical Association, 244
Brooks, J. G., 104
— R. C., 14
— W. K., 259
Broomhead, J. W., 293
Brothers, A., 373
Brough, B. H., 292
Brown, A., 255
— E. C., 300
— G., 27
— G. P., 300
— H. W., 56
— J. D., 1, 31, 377
— J. H., 405
Browne, N. E., 28
Bruggencate, K. ten, 173
Brunetière, F., 387
Brush, G. J., 224
Brussels, Académie royale des sciences, des lettres et des beaux-arts, 405
Bryan, C. W., 295
— G. H., 184
— M., 372
Bryant, J. C., 313
Bryce, G., 434
— J., 84, 392, 417, 432
Buchan, A., 229
Bücher, K., 101
Buchka, K. von, 221
Buckley, A. B., 237
Bucknall, B., 365
Budgets, 109
Buel, A. W., 352
Buffalo directory, 445
Building, 348-355
— laws, 352
— materials, 350
— stones, 233, 350
— superintendence, 351-352

Buisson, F., 146
Bulfinch, T., 68
Bullock, C. J., 99, 118
Bunbury, E. H., 396
Bunge, G. von, 223
Bunte, H., 326
Burdett's hospitals and charities, 141
Bureau of the American Republics, 276, 435, 451
Burgess, J. W., 90
Burke, Sir, J. B., 414
Burr, W. H., 283
Burroughs, J., 272
Burton, T. E., 156
— W. K., 373
Busbey, T. A., 318
Business, 313-322
— ethics, 62
— forms, 313-314
— law, 130-131, 313-314
— manuals, 322
Busk, M., 249
Butler, A. J., 242
Butler, N. M., 148
Butterfield, W. J. A., 331
Butterfill, H. Holt, 185
Butterflies, 270
Byerly, W. E., 182, 186, 187
Byers, M. L., 318
Byrn, E. W., 279
Byrne, A. T., 297, 351
— O., 282
Byzantine Empire, 428

C

Cadbury, E., 108
Caird, E., 149
— J., 44, 149
Cairns, F. A., 220
Cajori, F., 196
Calculus, 186-187
Calico printing, 333
California gazetteer, 441
Calisch, I. M., 173
— N. S., 173
Calkins, R., 63
Calorimetry, 202
Cambridge modern history, 391
— natural history, 260
Campbell, D. H., 256
— H. H., 336
— H. J., 247, 258
— Mrs. H. S., 108, 309
— M., 247, 258
— W. W., 189
Canada, 434-435
— biography, 406
— Department of Agriculture, 434
— social life, 83
Canadian almanac, 40
— annual review, 434
— men and women, 406
Canal engineering, 298
Candles, 334
Candolle, A. de, 253
Cannan, E., 100
Cannell, A. E. M., 152
Capital, 98, 99, 117
— and labor, 107
Capitalism, 105, 122
Car builders' dictionary, 355
Car building, 355
Card, F. W., 303, 306
Card indexes, vii-viii
Caria, art, 360
Carnegie Institution of Washington, 45
Carnot, A., 219
Caron Directory Company, 447
Carpenter, G. R., 166, 170
— R. C., 284, 289, 354
— W. B., 55, 247
— W. L., 334
Carpentry, 353
Carpets, 344
Carr, G. S., 182
Cartography, 192, 396
Carus, J. V., 22
Cassell's book of quotations, 382
— carpentry and joinery, 353
— cyclopædia of mechanics, 275
Cassino, S. E., 238
Caswell, J. H., 220
Cataloguing, 32
Cates, W. L. R., 402
Catholic socialism, 118
Cattell, E. J., 157
— J. McK., 181
Celestial mechanics, 189
Cells, 247
Cement, 350
Central Africa, 432
— America, 435-436
— stations, 207
Century atlas, 399
— cook book, 311
— cyclopedia of names, 37
— dictionary, 37
— of dishonor, 434
Ceramics, 332, 366-367
Chailley-Bert, J., 101
Chaldea, 415
— art, 359
— social life, 78
Challenger, ship, 238
Chamberlain, A. F., 163
— A. H., 17
— B. H., 430
— M., 273
Chamberlin, T. C., 225
Chambers, G. F., 187, 190
— R., 382, 385
Chambers's biographical dictionary, 402
— encyclopædia, 41
Champlin, J. D., jr., 372, 376
Chancellor, W. E., 150
Chandler, S. E., 253
Channing, E., 28
Chapin, F. H., 441
Chapman, E. T., 218
— F. M., 272
— S. J., 104
Charities, 139-142
Chase, I. M., 339
Chemical arithmetic, 183, 214
— solubilities, 214
— technology, 323-338
— — bibliography, 27
Chemisch-technische Untersuchungs-methoden, 216
Chemisch-technisches Lexikon, 325
Chemistry, 210-223
— bibliography, 19
— of commerce, 327

Chemists, 212, 410
Cheshire, F. B., 309
Chester, A. H., 224
Cheyne, T. K., 67
Cheyney, E. P., 80
Chicago, 440-441
— at a glance, 440
— biography, 407
— blue book, 445
— building laws, 352
— Bureau of Statistics and Municipal Library, 440
— charities directory, 140
— City Council, 352
— city manual, 440
— daily news almanac, 40
— directories, 445-446
— drainage canal, 300
— labor, 107
— libraries, 34
— Library Club, 9, 30, 34
— map, 401
— Municipal Court, 132
— municipal government, 135, 136
— ordinances, etc., 135
— Sanitary District, 300
— securities, 113
— street railways, 159
Child study, 55-56, 151-152
— — bibliography, 18
Children's courts, 143
Chile, 453
Chilton-Young, F., 353
Chimpanzees, 274
China, 429-430
— literature, 388
— social life, 83
Chipiez, C., 359, 360
Chisholm, G. G., 155, 395, 399, 417
Christian socialism, 118
Christy, R., 163
Chromatics, 201
Church, A. H., 324
Church, I. P., 289
Churchward, W. B., 455
Cincinnati directory, 446
Citizen Bird, 273
Citizenship, 62
City directories, 445-451
See also names of cities
— transportation, 158-159
— Vigilance League, New York City, 141
Civic art, 136, 358
Civil engineering, 193, 282
— service, 132-133
— service question book, 132
Civilization, history, 76-86
— primitive, 76-78
Clark, D. K., 296
— J. A., 22
— J. B., 98
— J. F., 257
— L., 159
— T. M., 351
Clarke, F., 98
— F. W., 159
Classen, A., 220
Classical quotations, 383, 388
Classification, 32
Claus, C., 260
Clayden, A. W., 230
Clays, 234, 332
Clearing houses, 112
Clegg, J., 317
Clement, C. E., 361
Clerke, A. M., 187, 188, 191
Cleveland directory, 446
— Directory Company, Cleveland, 446
— Public Library, 3
Cliff dwellings, 241
Clifford, W. K., 179
Climate, 230
Clinton, G. W., 313
Clock making, 346
Clodd, E., 68, 244
Clothing, 312-313
Clouds, 228, 230
Clute, W. N., 256
Coal, 232, 328
— mining, 293-294
— tar, 335
— tar colors, 333
Cochrane, R., 279
Cockcroft, J., 125
Cockerell, D., 347
Coffee, 305
Cohn, A. I., 217
— G., 102
— L., 324
Coinage, 113
Coins, 366
Coke, 328
Colange, L. de, 274
Colby, F. M., 38, 40
Cold storage, 290
— — trades' directory, 290
Cole, A. S., 370
— G. S., 343
Coler, B. S., 133
Cole's Encyclopedia of dry goods, 343
Collectivism, 117
College directories, 149
— Settlements Association, 12
Colles, W. M., 317
Collins, H. F., 337
Colman, H. G., 211
Colombia, 452
Colonization, 95-97
Color, 201
— of animals, 267
Colorado directory, 441
Colquhoun, A. R., 429, 430, 453
Columbus, C., 397
Columbus directory, 446
Comelati, G., 176
Comenius, J. A., 147
Comey, A. M., 214
Commerce, 155-159
Commercial geography, 155
— law, 130-131, 313-314
— nomenclature, 276
— yearbooks, 156
Committee of Fifty, 63
Commons, J. R., 94, 104
Communication, 155-159
Communistic societies, 117
Comparative anatomy, 265-266
Compayré, G., 55, 147
Complete hostess, 310
Composition, 382
Compressed air, 200, 290
Comstock, A. B., 269, 270
— J. H., 269, 270

Conant, C. A., 110, 112
— T. J., 65
Concilium bibliographicum, Zurich, 22, 32
Concise knowledge natural history, 260
Concordances, biblical, 67
Concrete construction, 352
Conductors, electrical, 208
Conference for Good City Government, 133
Congrès international de bibliographie des sciences mathématiques, 18
Congressional directory, 98
Conic sections, 186
Conn, H. W., 244, 257
Conrad, J., 72
Conscience, 62
Constitutional law, 126-128
Construction, 352
Contracts, 281, 351-352
Conway, Sir W. M., 358
Conybeare, Mrs. F. C., 386
Cook, C. C., 312
— E. T. 360
Cooke, M. C., 257
Cooking, 310-311
Cooley, A. J., 277
— T. M., 127
Cooperation, 115-116
Co-operative Wholesale Societies, 115
Copp, H. N., 293
Copper, 336, 337
— handbook, 292
— mining, 294
Copyright, 317
Coral reefs, 230
Coriat, I. H., 50
Cornet, J., 176
Cornish, C. J., 266
Cornwall, H. B., 220
Corporation law, 123
Corporations, 122-123
Corrosion, 351
Corrover, É., 366
Cosmetics, 335
Cossa, L., 102
Costelloe, B. F. C., 64
Cost-keeping, 321
Cotgreave, A., 2
Cotter, J. R., 202
Cotterill, J. H., 196
Cotton, 344
Coues, E., 262, 272, 273
Coulter, J. M., 251
Counsel upon the reading of books, 35
Courtney, L. H., 126
— W. P., 6
Cousin, V., 64
Cox, Sir G. W., Bart., 41, 68
— H., 115
Crabb, G., 169
Craig, A. H., 74
Cram, G. F., 399
Crane, W., 357
Crawford, C. M., 194
Crayfish, 269
Creation, 244
Credner, R., 394
Creighton, J. E., 54
Criminal anthropology, 51
— law, 128-129
— sociology, 142-143
Crises, 111, 156
Crocker, F. B., 207
Crocker Co., H. S., San Francisco, 450
Crole, D., 305
Cromer, E. B., 1st earl of, 432
Cromwell, J. H., 322
Crookes, Sir W., 215
Crops, 305
Cross, C. F., 342
Crowe, Sir J. A., 372
Cruden, A., 67
Crustacea, 269
Crystallography, 223-224
Cuba, 84, 436
Cubberly, E. P., 147
Cultivated plants, 253
Cumulative book review digest, 3
— index, 3, 5
Cunningham, C. D., 126
— W., 76, 103
Cuntz, J. H., 5
Cunynghame, H. H., 366
Curinier, C. E., 405
Curriculum, 153
Curtin, J., 69
Cushman, H. E., 49
Customs, 159-163
Cutter, C. A., 32
Cuyer, É., 265
Cyclopædia of American literature, 383
— Canadian biography, 406
— education, 146
— political science, 72
— temperance and prohibition, 63
— works of architecture, 363
Cyclopedia of American agriculture, 303
— American horticulture, 305
— engineering, 282
— music and musicians, 376
— painters and painting, 372

D

Dairy chemistry, 218
Dairying, 309
Dalbiac, L. 387
— P. H., 386
Dallinger, F. W., 94
— W. H., 247
Dalmatia, 240
Dalton, J., 212
Dammer, O., 221, 324
Dams, 299
Dana, C. A., 45
— E. S., 224
— J. C., 31
— J. D., 224, 225, 227
Daniell, A., 194
Darmesteter, A., 174
Darton, N. H., 19
Darwin, C., 230, 238, 245, 246, 251, 252 253, 267, 269
— F., 251
— G. H., 191
— L., 112
Darwinism, 246
Davenport, C. B., 265
— C. J. H., 315
— E., 308
— H. J., 99
— J., 176
Davidson, T., 148

Davidson, W. L., 169
Davies, C., 182
— D. C., 234
— E. H., 234
— P. J., 353
Davis, C. T., 332, 342
— J. E., 313
— L. J., 370
— W. M., 229
Davison's carpet trade directory, 344
— hosiery trade directory, 344
— Minneapolis city directory, 448
— silk trade directory, 345
Dawson, M. M., 143
— S. E., 434
— W. H., 80, 106
Day, C., 157
— L. F., 357, 367, 368, 371
Deaf, 142
Deakin, R., 184
Dean, B., 271
Death, 247
Debates, outlines, 74-75
Debating, 59
Debts, public, 119
Decorating, 355
Decorative art, 357, 367-371
Deecke, W., 426
Defectives, 140-142
DeForest, R. W., 109
DeGarmo, C., 144
Deinhardt, K., 275
Deite, C., 335
Delaware gazetteer, 442
Delinquents, 140-143
Dellenbaugh, F. S., 243
Delusions, 51
Demiker, J., 241
Deming, H. E., 133
Democracy and liberty, 93
— and social ethics, 59
— in America, 84
Denmark, 427-428
— archæology, 240
— social life, 82
Denver directory, 446
Dependents, 140, 142
Derechef, R., 387
Derr, L., 282
Descartes, R., 64
Descent of man, 246
Deschamps, P., 395
Descriptive astronomy, 189-190
— geometry, 185
Deshumbert, M., 174
Design, 367-371
Determinants, 182, 183
Detmer, W., 252
Detroit directory, 446
Devine, E. T., 140
DeVinne, T. L., 316
Dewey, D. R., 119
— J., 182
— M., 2, 33
Dexter, E. G., 148
Dialects, 170-171
Dickinson, G. L., 98
Dicksee, L. R., 314, 322
Dickson, W. P., 416
Dictionaries, agriculture, 303
— architecture, 363
— art, 356
Dictionaries, biology, 236
— botany, 249-250
— chemical technology, 325-326
— chemistry, 211
— electricity, 203
— engineering, 282
— English literature, 384-386
— general literature, 380-381
— geography, 394-396
— language, 164-187
— mathematics, 182
— mineralogy, 224
— music, 376
— painting, 372
— photography, 373
— science, 179
— sport, 378
— technology, 179, 274-276
— zoology, 261
Dictionary of applied chemistry, 326
— of dates, 42
— of English history, 422
— of English literature, 41
— of foreign phrases and classical quotations, 383
— of hymnology, 67
— of miracles, 41
— of national biography, 404
— of philosophy and psychology, 47
— of phrase and fable, 41
— of plants, 254
— of political economy, 101
— of religious knowledge, 56
— of terms, phrases and quotations, 39
— of the Bible, 67
— of U. S. history, 437
Dictionaire de géographic ancienne et moderne, 395
— de pedagogie, 146
— géographique et administratif de la France, 425
— national des contemporains, 405
Didot fréres, Firmin, Paris, 402
Diederichs, H., 289
Dietetics, 312
Dietrich, F., 5
Differential calculus, 186-187
— equations, 182, 187
Digestion, 262
Dilke, Sir C. W., 95
Dill, C., 276
Dillmont, T. de, 370
Dinwiddie, W., 436
Diplomacy, 125
Directories, city and state, 441-451
— See also names of localities
— trade, See names of trades
Directory of American cement industries, 333
— of American gas companies, 300
— of booksellers in the United States and Canada, 317
— of directors in the city of Chicago, 314
— of stationary engineers of Illinois, 286
— to the iron and steel works of the United States, 336
Distillation of wood, 329
Distribution of wealth, 98-99, 102
District of Columbia directory, 451
— — gazetteer, 442

Ditmars, R. L., 271
Divorce, 130
Dixon, D. B., 274
Dobbin, L., 210, 212
Docks, 299
Doggett, K. N., 371
Dole, N. H., 427
Domestic animals, 308-309
— economy, 309-313
— service, 109
Don, J., 250
Donkin, B., 289
Donnelley, R. H., 445
Doubleday, Mrs. N. B. D., (Blanchan, Neltje), 272
Douglas, *Sir* R. K., 429
Douglas's encyclopædia, 348
Downing & Co., R. F., New York, 119
Doyle, J. A., 438
Drage, G., 104, 109, 124
Drähms, A., 51
Drawing, 368-370
Dreams, 52, 68, 163
Dresser, C., 359
Dressmaking, 313
Drew Allis Company, Rochester, 449
Droysen, G., 397
Drude, O., 254
— P., 201
Dry Goods, 343
Duff, E, G., 316, 347
Dugmore, A. R., 255, 269, 271, 375
Duluth directory, 446
Dunbar, A. R., 292
— C. F., 112
Duncan, R. K., 178, 327
Dunning, W. A., 90, 91
Dust prevention, 297
Dutch-English dictionaries, 173
Dutton, C. E., 227
Duyckinck, E. A., 383
— G. L., 383
Dwight, H. O., 68
Dye, F., 354
Dyeing, 333
Dyer, H., 120
— L., 102
Dynamics, 198
Dynamo-electric machinery, 207
Eagle's nest, 358
Earthquakes, 227
Earth sculpture, 228
Eastern Manual Training Association, 17
Eastlake, C. L., 371
Eastman, C. R., 235
— F. A., 440
Eaton, D. B., 133
Eberhard, J. A., 172
Eckel, E. C., 333
Eckoff, W. J., 144
Eclecticism, 49
Economic botany, 253-254
— — bibliography, 22
— crises, 156
— geology, 231-234
— interpretation of history, 79
— minerals, 234
Economics, 98-124
— of forestry, 115
Ede, G., 341
Edgren, A. H., 176
Edinburgh Geographical Institute, 155
Edis, R. W., 370
Education, 144-154
— bibliography, 17-18
Educational directories, 149
— review, 17
Educators, 147-148
Edwards, A. B., 415
Edwards & Co., Dennis, 432
Egerton, H. E., 96
Egleston, T., 224
Egypt, 414-415, 432
— art, 359
— social life, 78
Eight hours question, 109
Eiloart, A., 214
Eimer, G. H. T., 244
Eissler, M., 336
Ekelöf, J. A., 396
Electric lighting, 207
— railway directory, 318
— railways, 296, 318
Electrical engineering, 204-209
— measurements, 204
Electricity, 203-209
— bibliographic, 19
Electro-chemistry, 208, 214
Electrolysis, 220
Electro-metallurgy, 208-209
Electroplating, 209, 215
Eliot, C. W., 146
Elizabethan literature, 385
Elliot, D. G., 272, 273
— H. W., 441
— S. M., 310
Ellis, A. G., 207
— A. J., 201
— Havelock, 51
— Sir Henry, 160
Elmendorf, Mrs. H. L., 2
Elson, A., 378
Elster, L., 72, 101
Elwang, W. W., 154
Ely, R. T., 100, 106, 116, 118, 123
— T., 401
Embroidery, 370
Embryology, 265
Emotions, 57-58, 267
Employers' liability, 109
Enamelling, 366
Encyclopædia biblica, 67
— Britannica, 35, 37, 41, 42
— of business law and forms, 131
— of etiquette, 161
— of practical cookery, 311
— of religion and ethics, 65
— of sport, 378
— of ceramics, 367
— of missions, 68
— of social reform, 72
Encyclopedias, 37-44
— bibliography, 8
Encyklopädisches Handbuch der Pädagogik, 146
— Handbuch der technischen Chemie, 336
Endlich, F. M., 220
Engelmann, W., 22
Engels, F., 117
Engineering, 281-303
— and mining journal. Statistical supplement, 292
— bibliography, 23-25

Engineering chemistry, 217
— contracts, 351
— drawing, 369
— index, 5, 23
— index annual, 5, 23
— magazine, 5, 23
— materials, 350-351
Engines, 202, 283, 286-290
England, See Great Britain
English and American mechanic, 274
— biography, 404-405
— dialect dictionary, 170
— dialect grammar, 170
— Dialect Society, 170
— language, 166-171
— literature, 384-386
Engraving, 371-372
Entertaining, 310
Entomology, 269-271
— bibliography, 22-23
Equations, theory, 184
Erdmann, J. E., 48
Errors, theory, 182, 187
Erskine-Murray, J., 206
Esperanto, 164
Essays, general, 44
— index, 8
Essential oils, 335
Estimator's guide, 351
Ethical education, 154
Ethics, 59-63
Ethnography, 239
Ethnology, 241-243
— bibliography, 21
Etiquette, 161
Etymology, 166-167
Euclid, 184
Euler, H., 214
Europe, 394, 417-429
— civilization, 79-83
— commerce, 157
— government, 91
— industries, 280
— municipalities, 134
— races, 242
Evans, E. P., 61
— T. J., 184
Everett, C. C., 64
— H. A., 286
— J. D., 195, 196
Evolution, 244-245
Ewart, A. J., 252
— M. F., 249
Examinations, engineering, 286
Exchange, 113
Expert waitress, 312
Experimental zoölogy, 262
Explorations, scientific, 237-238
— bibliography, 21
Explorers, 409
Explosives, 327
Extinct monsters, 234

F

Fact, fancy, and fable, 39
Factories, organization, 338
Factory system, 122
Fahie, J. J., 205, 206
Fairbanks, A., 71
Fairchild, H. L., 225
Fairlie, J. A., 133, 136
Fairy tales, 163
Falkner, R. P., 87
Fallacies, 59
Fallows, S., 169
Familiar allusions, 40
— quotations, 382
— words, 382
Family, 62, 160-161
Famous composers, 377
Farm management, 303
Farmer, F. M., 311
Farmers' bulletins, 25
Farms, 304
Farrer, J. A., 65, 128
— T. H. F. 1st baron, 155
Farrow, E. S., 138
Farthest north, 456
Fats, analysis, 216-217
Faxon, C. E., 256
— F. W., 4
Fear, 57
Feddersen, B. W., 181
Fehling, H. von, 210
Felkin, E., 145
— H. M., 145
Fennell, C. A. M., 167
Fergusson, J., 364
Fermentation, 257-258, 329
Fernald, J. C., 169, 170
Fernow, B. E., 115
Ferns, 256
Ferri, E., 142
Fertilizers, 304
Fiber crops, 305
Fichte, J. G., 64
Field, H. H., 22
— H. M., 205
Field and forest handy book, 378
Finance, 118-119
— bibliography, 13
Financial review, 156
Findlay, A., 221
Fine arts, 356-378
— bibliography, 27
Finland, social life, 82
Fire alarm, 205
Fischer, F., 324, 325
— W. L. F., 183
Fish, 271
— culture, 309
Fisher, G. P., 391
— I., 184
— W. R., 254, 307
Fishing, 379-380
Fiske, A. K., 436
— J., 126, 127, 405, 408, 413, 438, 439
— T. S., 182
Fitch, Sir J. G., 146, 147
Fitzmaurice-Kelly, J., 387
5000 facts and fancies, 39
Flags, 414
Flavoring extracts, 329
Flemer, J. A., 192
Fleming, J. A., 203
Fletcher, A. E., 146
— B., 364
— B. F., 364
— S. W., 304
— W. I., 3, 4, 8, 31
Flint, R., 50, 116
Flour, 345
Flower, Sir W. H., 274

Flower garden, 361
Flowers, 250, 252, 362
Flügel, F., 171, 172
Folklore, 163
Folks, H., 141
Folkways, 159
Folwell, A. P., 301
Food, 216, 311-312, 329
— analysis, 218
Forage crops, 305
Forbes, H. O., 239
Force, 178
Foreign commercial guide, 157
— exchange, 113
Foreman, J., 453
Forestry, 115, 307
Forging, 346
Forsyth, A. R., 187
Fortnum, C. D., 367
Fossils, 234-235
Foster, Sir C. L., 292
— H. D., 153
— J. W., 97
— M., 265
Foundry, 338, 340
Fourier's series, 187
Fourtier, H., 373
Fowler, A., 187, 189
— T., 64
Fraenkel, A., 217
Fram, Ship, 456
France, 425-426
— architecture, 363
— art, 359
— biography, 405
— government, 92
— social history, 81
Francis, W., 279
Franklin, W. S., 194, 195
Franks' Peoria Directory Company, Peoria, Ill., 449
Fraser, A. C., 56
Frazer, R. W., 388
Frederiksen, N. C., 82
Free trade, 119-120
Freeman, E. A., 391, 396
— W. G., 253
Freer, P. C., 221
Freitag, P. K., 365
French, L. H., 312
French-English dictionaries, 174-175
French-German dictionaries, 175
French language, 174-175
— literature, 387
— Revolution, 420-421
Fresenius, C. R., 219, 220
Freund, W., 177
Frewer, E. E., 432
Frey, A. R., 38
Friswell, J. H., 382
Frizell, J. P., 298
Froebel, F., 151, 152
Froebel's gifts, 152
— occupations, 152
— system, 151
Frost, A. J., 19
— E. B., 189
— T. G., 122
Fruits, 305-306
Fuel, 202, 327-328
— analysis, 216, 221
Fuertes, L. A., 273
Fugitive facts, 39
Fuller, J., 339
Fulton, J., 328
Functions, 187
Fungi, 257
Funk, I. K., 168
Furman, H. V., 337
Furnaces, electric, 208
Furneaux, W. S., 262
Furniture, 312, 370-371
Fustel de Coulanges, N. D., 78
Fyfe, H. H., 391
Fyffe, C. A., 421

G

Gadow, H., 273
Gage, S. H., 247
Galloupe, F., 6, 23
Galton, Sir D., 299
— F., 53, 246
Games, 378-379
Gannett, H., 155, 230, 437
Gano, D. C., 130
Ganot, A., 194
Gardening, 306-308, 361-362
Gardner, J. S., 341
— W. M., 333
Garland, D. S., 125
Garner, R. L., 274
Garnett, L. M. J., 83
— R., 31, 387
— W., 196
Garnsey, H. E. F., 251
Garrett, J., 306
— T. F., 311
Garrison, C. L., 155
Gas, 331-332
— analysis, 216, 221
— companies, 300
— engines, 289-290
— lighting, 303
Gases, 200
Gasoline engines, 290
Gauss, H. C. 137
Gayer, K. 307
Gazetteer Publishing Co., Denver, 441, 443, 444
Gazetteers, 394-396, 399
Gebhardt, G. F., 286
Geddes, P., 73, 248
Gee, G. E., 340
Geelmuyden, I. C. S., 173
Geikie, Sir A., 225, 226, 396
— J., 228, 230
Geodesy, 191-192
— bibliography, 18
Geographical distribution of animals, 268
Geography, 393-401
— dictionaries, 394-396
— tables, 192
— teaching, 306
Geologists, 226
Geology, 225-234
— bibliography, 19-21
Geometry, 184-186
George, H., 115
Gerhard, W. P., 299, 303
Gerland, G. K. C., 241
German language, 171-173
— literature, 386-387
Germany, 424

Germany, biography, 405
— colonies, 96, 400
— education, 154
— government handbook, 138
— labor, 106
— mythology, 68
— K. Patentamt, 6, 24
— social history, 80-81
— statistics, 87
— universities, 154
Gibb, E. J. W., 431
Gibbins, H. de B., 157
Gibson, G. A., 186
— R. J. H., 252
— W. H., 236
Giddings, F. H., 70, 71, 73
Gifford lectures, 48
Gilbert, G. K., 226
— H. T., 132
Giles, H. A., 388
Gill, A. H., 221
Gillespie, A. L., 262
— W. M., 192
Gillette, H. P., 352
Gillies, J., 63
Gilman, A., 431
— D. C., 38, 154
— N. P., 104, 107, 116
Gintl, W., 276
Given, J. LaP., 45
Glaciers, 228
Gladden, W., 73
Glaeser, E., 405
Glasgow, municipal government, 134
Glass, 215, 332
Glazebrook, R. T., 196
Glues, 334
Glycerin, 334
Godkin, E. L. 93
Goebel, K., 251
Going, C. B., 5
Gold, 233, 336
Golding, F. Y., 347
Goldsmithing, 340
Gonino, I., 360
Goodchild, D. F., 274
Goodnow, F. J., 133, 134
Goodwin, W. W., 177
Gopsill's Sons, James, Philadelphia, 449
Gore, J. E., 187
— J. H., 18, 191
Gorillas, 274
Goschen, G. J., 113
Goss, W. F. M., 346
Gothic architecture, 366
Gould, S. Baring, 163
Gould Directory Co., St. Louis, 450
Government, theory 89-90
Graesel, A., 31
Graham, J., 186
— T., 210
Grammar of science, 49
Grand dictionnaire universel, 44
Grande encyclopédie, 44
Grandgent, C. H., 176
Granger, E., 27
Grant, J., 453
Graphics, 182
Grassmann, H. G., 182
Gray, Andrew, 194, 204
— Asa, 249, 255
— E., 176
Gray, T., 196
Gray Herbarium, 22
Great Britain, 422-423
— archæology, 239
— biography, 404-405
— Colonial Office, 87
— colonies, 95-96, 391
— commerce, 156
— constitutional history, 126
— copyright, 317
— customs, 160
— economic conditions, 102-103
— education, 154
— Emigrants' Information Office, 391
— government, 91-92
— heraldry, 414
— history, 422-423
— — bibliography, 28
— hospital, 141
— journalism, 45
— labor, 105-106
— municipal government, 134
— — bibliography, 14
— official directory, 423
— Parliament, 90
— parliamentary publications, catalogues, 16
— social history, 79-80
— socialism, 117
— Stationery Office, 16
— statistic, 87
Greathouse, C. H., 25, 26
Greece, 416-417
— architecture, 363
— art, 360
— biography, 404
— education, 148
— mythology, 69
— philosophy, 49, 64
— social life, 78
Greek language, 177
— literature, 388
Greek-English dictionaries, 177
Greely, A. W., 396, 456
Green, J. R., 252, 422
— T. H., 61
Greene, E. B., 128
— M. A., 125
— W. H., 211
Greenhouse management, 362
Greenough, J. B., 177
— J. C., 154
Greenwood, T., 33
Gresley, W. S., 294
Gribayédoff, A., 377
Grieb, C. F., 172
Griffin, M. F., 45
— W. H., 385
Griffis, W. E., 430
Griffith, J. W., 248, 279
Grimm, J., 68
Gronlund, L., 117
Groom, P., 254
Groome, F. H., 402
Groos, K., 57, 267
Gross, C., 14, 28
Grosse, E., 240
Grote, G., 63, 416
Grove, Sir G., 376, 398
Groves, C. E., 324
Gubernatis, A. de, 402
Guiana, 239

Guiana, Indians, 243
Guides to reading, 7
Guimps, R. de, 148
Güldner, H., 290
Gulliver, J. H., 60
Gummere, F. B., 77
Günther, A. C. L. G., 271
Guppy, H. B., 455
Gurney, E., 57
Gwilt, J., 363
Gymnastics, 151

H

Haacke, W., 260
Habits of animals, 266-267
— of plants, 253
Haddon, A. C., 239, 240
Hadley, A. T., 100, 319
Haeckel, E., 244, 265
Haferkorn, H. E., 24
Hagen, H. A., 22
Hailmann, W. N., 152
Haines, H. E., 3
— H. S., 157
Haldane, R., 277
Half-tone process, 374
Hall, E. H., 180
— G. S., 17
— P. F., 97
— T. D., 177
— W. E., 125
Halle, E. von, 123
Halliburton, W. D., 265
Halliwell-Phillipps, J. O., 168
Hallucinations, 51
Halsted, G. B., 182
Hamilton, H., 174
Hammarsten, O., 223
Hanausek, T. F., 326
Handbook of learned societies and institutions, 45
Handbuch der anorganischen chemie, 221
— der Ingenieurwissenschaften, 282
Handwörterbuch der Staatswissenschaften, 72
Handy-book of literary curiosities, 42
Hann, J., 229, 230
Hansen, E. C., 329
Hanus, P. H., 183
Hapgood, H., 106
Harbors, 299
Harbottle, T. B., 138, 383, 388, 389
Harcourt, L. F. Vernon, 282, 283, 298, 299
Harden, A., 211
Hardy, H., 317
— W. J., 47
Hare, J. I. C., 127
Harkness, A., 177
— J., 187
Harmer, S. F., 260
Harmonic functions, 182
Harmonics, 187
Harper's book of facts, 38
— dictionary of classical literature and antiquities, 416
— encyclopædia of United States history, 437
Harris, W. A., 325
— W. T., 53, 58, 168
Harrison, E., 152
Hart, A. B., 28, 92
Hartland, E. S., 163
Harvard University, Gray Herbarium, 22
Harwood, W. S., 304
Hasluck, P. N., 275, 346, 353, 378
Hasse, A. R., 21
Hastings, C., 379
— J., 65, 67
Haswell, W. A., 261
Hatfield, O. P., 349
— R. G., 349
Hathaway, A. S., 186
Hatzfeld, A., 174
Hawaii, 86, 451, 455
Hay, O. P., 21
Hayden, F. V., 19
Haydn, J. T., 42
Haynes, G. H., 94
Hazell's annual, 43
Hazen, A., 200
Hazlitt, W. C., 46, 160
Heape, W., 265
Heat, 202
— engines, 202, 283
Heath, H., 260
Heathcote, F. G., 260
Heating, 302, 354
Heeren, F., 276
Hegel, G. W. F., 57, 58, 64
Heidenstam, O. G. von, 82
Heider, K., 265
Heilprin, A., 395
— L., 390, 395
Heise, P., 24
Helmholtz, H. von, 201
Helmolt, H. F., 392
Henderson, C. R., 140
— J. B., 97
Hendrick, B. J., 144
Hendricks' Commercial register, 283
Henfrey, A., 248
Henley's encyclopædia of practical engineering, 285
— twentieth century book of recipes, 277
Henry, T. A., 253
Henshaw, S., 25
Hepworth, T. C., 333
Heraldry, 414
Herbart, J. F., 144, 145, 150
Herbertson, A. J., 229
Herbier Boissier, Chambésy, 22
Heredity, 52, 245-246
Herrick, F. H., 273
Herrmann, G., 285
Hertwig, O., 247
Hess, R., 307
Hetherington, E., 4
Heymann, E., 174
Heyne, M., 171
Heyse, J. C. A., 171
Hickcox, J. H., 16
Higgin, L., 82
Higginson, T. W., 162
Higher mathematics, 182
Hildebrandt, A., 200
Hill, A. S., 382
— C. S., 352
— D. J., 125
— J. A., 102, 162

Hill J. W., 301
— R. T., 436
— T., 183
Hill Directory Company, Richmond, Va., 444
Hillhouse, W., 254
Hillquit, M., 117
Hinds, W. A., 117
Hinsdale, B. A., 148, 153, 390, 439
Hirn, Y., 57
Hiscox, G. D., 277, 284, 290, 298
Histology of plants, 253-254
Historic Illinois, 440
Historic note-book, 41
History, 389-456
— ancient, 414-417
— bibliography, 28-29
— atlases, 397-398
— dictionaries, 389-390
— geography, 397-398
— teaching, 390
— of banking, 111
— universal, 391-393
Hitt, R., 355
Hoare, J. D., 456
Hobart, H. M., 207, 287, 296
— H. R., 318
Hobbs, W. H., 227
Hobhouse, L. T., 58
Hoboken directory, 447
Hobson, E. W., 184
— J. A., 73, 83, 99, 105, 109, 122
Hodge, F. W., 21
Hodgson, F. T., 351, 353
Hoefer, J. C. F., 402
Hoff, J. H., van 't, 214
Höffding, H., 48, 53
Hoffmann, F., 219
Hofmann, E., 270
Holahan, C. M., 313
Holder, C. F., 266
Holgate, T. F., 184
Holiday, H., 371
Holland, 428
— T. E., 125
— W. J., 270
Holleman, A. F., 222
Holst, H. von, 127
Holt, E., 161
Holy Roman Empire, 417
Holyoake, G. J., 116
Honduras, 436
Hood, C., 354
Hopkins, A. A., 38, 277, 379
Horgan, S. H., 375
Horn, F. W., 387
Horne, H. P., 347
Horner, J. B., 284
— J. G., 284, 285, 291, 340
Horrocks, Mrs. G., 424
Horstmann, A., 210
Horticulture, 305-306
Hosiery trade, 344
Hospitals, 141-142, 366
Hotel red book, 310
Hotels, 310
Hough, W. S., 48
Hours of labor, 109
House decoration, 312, 370
— chemistry, 324
— economics, 309-313
Housing, 107, 109
Houssay, F., 266
Houston, E. J., 155, 203, 208
How to make and how to mend, 346
Howarth, W., 112
Howe, E. G., 152
— H. A., 188
Howell, G., 110
Howorth, Sir H. H., 231
Hoye Directory Company, Kansas City, 447
Hoyer, E. von, 276
Hudson, F., 45
Hughes, J. L., 151
— R., 375
— T., 116, 148
Hull, W. H., 110
— W. I., 141
Hull-House, Chicago, 107
Hulme, F. E., 163, 414
Hume, M., 388
— M. A. S., 427
Hummel, J. J., 333
Humphreys, H. N., 366
Hungary, 81
Hunt, T. F., 304, 305
Hunter, R., 124
— Sir W. W., 431
Hunting, 379
Huntington, H. B., 59
— J. O. S., 73
Hurst, G. H., 333
Huss, G. M., 365
Hutchinson, H. N., 234, 239
— T., 445
Hutchinson's Australasian encyclopædia, 455
Hutton, F. R., 283
— L., 361
Huxley, T. H., 269
Hyde, E. W., 182
— W. DeW., 47
Hydraulic cement, 350
— engineering, 298
— machinery, 288-289
Hydraulics, 199-200, 207, 289, 298
Hymenoptera, 270
Hymnology, 67

I

Ice, 228, 231
— age, 230
— and cold storage trades' directory, 290
— making, 290
Iceland, 428
Iconographic encyclopædia, 38
Idaho gazetteer, 442
Idealism, 65
Idioms, 168
Iles, G., 11, 27
Illinois, 440-441
— constitutional history, 128
— gazetteer, 442
— General Assembly, 130
— laws, statues, etc., 129-130
— Secretary of State, 137
Illusions, 51, 379
Illustrated dictionary of gardening, 306
Illustration of books, 47
Im Thurm, E. F., 243
Immigration, 97

Imperial dictionary, 167
In darkest Africa, 432
In darkest England, 124
Income, 105
Index to essays, 8
Indexes to periodicals, 3-6
— to technical periodicals, 5-6
India, 431
— architecture, 364
— industrial art, 367
— literature, 388
India rubber, 305, 345
Indian Territory gazetteer, 444
Indiana gazetteer, 442
Indianapolis directory, 447
Indians of North America, 163, 242-243, 433-434
Industrial arts, 366-371
— bibliography, 27
— biography, 410-411
— democracy, 110
— evolution, 101
Industries of animals, 266
Inebriety, 50
Infinitesimal calculus, 187
Ingalls, W. R., 337
Ingram, J. K., 102
Initiative, 94
Injurious insects, 305
Ink, 333
Inland water transportation, 158
Inorganic chemistry, 221-222
Insane, 50, 141-142
Insects, 269-271, 305
Instinct, 267
Institut international de bibliographie, Brussels, 2, 7, 11
Institutions, history, 77
Insurance, 143-144
— chemistry, 144, 325
— industrial, 108
— yearbook, 144
Intarsia, 371
Integral calculus, 186
Interior decoration, 370-371
Internal combustion engines, 289
International Bureau of the American Republics, Washington, D. C., 276, 435, 451
— directory of booksellers and bibliophile's manual, 317
— geography, 393
— Institute of Social Bibliography, Berlin, 11
— law, 125
— mining manual, 292
— monetary conferences, 113
— motor cyclopædia, 296
— Prison Commission, 143
— relations, 97-98
— trade, 157
Internationales Institut für Sozialbibliographie, See International Institute of Social Bibliography, Berlin
Intuition, 54
Inventions, 240, 279-280
Invertebrates, 268-271
Investments, 114
Ions, 178
Iowa gazetteer, 442
Ireland, A., 95
Ireland, 422
Iribas, J. L., 176
Iron, 336, 341, 351
— age directory, 339
— analysis, 219
Irrigation, 305
Irving, J., 392, 404
Island life, 268
Italian language, 176
Italian-English dictionaries, 176
Italy, 426
— architecture, 363
— literature, 387
— renaissance, 360
— social history, 81
Ives, F. E., 375

J

Jack, G., 366
Jackman, A. N., 293
— W. S., 153
Jackson, B. D., 22, 250
— F. H., 371
— H. F. H., 434
— M., 45
Jacobi, C. T., 316
Jacobs, J., 69
Jacobson, P., 222
Jacoby, H., 188
— H. S., 295
Jacquard weaving, 343
Jago, W., 311
James, W., 53, 174
Jameson, J. A., 127
— J. F., 437
Jamieson, A., 284, 286
Japan, 430
— art, 359
— Commission to the Louisiana Purchase Exposition, 430
Jarvis, J., 152
Jastrow, M., 65
Java, 454
Jeans, J. S., 298
Jelliffe, S. E., 253
Jenkins, H., 375
Jenks, E., 454
— J. W., 123
Jensen, C. O., 309
Jersey City directory, 447
Jervis, W. P., 367
Jevons, W. S., 58, 110
Jewelry, 340
Jewett, H. M., 52
— M. A., 52
Jewish encyclopædia, 69
Jhering, R. von, 76
Joanne, P., 425
John Crerar Library, Chicago, 7, 8, 9, 27, 30, 34
Johns Hopkins University, Economic Seminary, 13
Johnson, E. R., 158, 319
— H. K., 39
— J. B., 5, 193, 281, 295
— S. W., 220
— W. W., 182, 187
Johnston, A., 93
— A K., 400
— Sir H. H., 96
— H. W., 160
— J. F. W., 324

Johnston, T. B., 400
— W., 279
Joinery, 353
Joliet directory, 447
Jones, C. E., 253
— E. D., 156
— E. R., 280
— H. C., 213
— H. P., 383
— L. A., 14
— T. R., 248
Jönsson-Rose, N., 361
Jordan, D. S., 245, 260, 271
— H., 33
Jörgensen, A., 258
Jost, L., 252
Journalism, 45
Jowett, B., 89, 103
Judaism, 69
Judd, C. H., 53, 55
Judea, 415
— art, 360
Judson, W. P., 297
Julian, J., 67
Jurisprudence, 125
Juvenile offenders, 51, 143

K

Kamensky, G., 210
Kansas gazetteer, 442
Kansas City directory, 447
Kant, I., 61
Karapetoff, V., 205
Karmarsch, K., 276
Karsten, G., 249
Kauffman, A. C., 157
Kay, D., 57
Keane, A. H., 226, 241, 393, 394, 429, 431, 452
Kedney, J. S., 57
Keezer, F., 130
Kelland, P., 186
Keller, H. F., 211
Kellner, L., 170
Kellogg, D. O., 37
— V. L., 245, 260, 269
Kelly, J. Fitzmaurice, 387
Kelly's customs tariffs, 119
— directory of merchants, 396
— directory of stationers, printers, etc., 316
Keltie, J. S., 43
Kelvin, W. Thomson, 1st baron, 180, 195
Kemp, J. F., 232
— W., 352
Kempe, H. R., 204
Kempner, M., 286
Kennelly, A. E., 208
Kent, W., 288
Kentucky gazetteer, 442
Kerl, B., 6, 24, 326
Kerner, A. J. Ritter von Marilaun, 249
Kerr, N., 50
— R., 364
Kershaw, J. B. C., 216, 220, 302
Keyes, C. R., 21
Keynes, J. N., 101
Kick, F., 276
Kidd, B., 70
Kidder, F. E., 349
Kiddle, H., 146
Kiepert, H., 397, 416
Kiesow, F., 57
Kilbon, G. B., 353
Kimball, A. L., 200
Kindergarten, 152
Kinematics, 291
King, B., 81
— C., 19
— P., 371
— & Son, P. S., London, 16
Kingsley, R. G., 359
Kirby, W. E., 270
Kirk, J. F., 2
Kirkland, J., 440
Kirkup, T., 117
Kitchin, G. W., 174, 425
Kittredge, G. L., 177
Klauser, K., 377
Klemm, L. R., 154
Kluge, F., 171
Knapp, W. I., 176
Knight, A. M., 320
— E. F., 431
— E. H., 275
— G. H., 278
Knott, C. G., 186
Knowledge, 50, 56, 58
Knox, C. E., 208
Kohlrausch, F., 196
Kolbe, H., 210
König, J., 311
Koopman, H. L., 35
Koren, J., 63
Korschelt, E., 265
Krehbiel, H. E., 27, 376
Kroeger, A. B., 7
Kronthal, J., 356
Kukula, R., 154
Külpe, O., 48, 53
Kürschner, J., 165
Kürschners Staats-, Hof- und Kommunal-Handbuch, 138

L

Labberton, R. H., 397
Labor, 103-110
— and capital, 107
— — bibliography, 13-14
— laws, 103
Laboratory chemistry, 215
Laboring classes, 108-110
Labour annual, 105
Lace, 370
Ladd, G. T., 48, 53, 55, 56, 57, 59
Lafaye, B., 175
La Fontaine, H., 11, 32
Laing, S., 180
Lakes, 228
Lakeside annual directory of Chicago, 445
Lalor, J. J., 72, 127
Lamb, H., 187
Lambert, P. A., 185
Lamberton, J. P., 9
Lamborn, L. L., 334
Lamb's biographical dictionary, 405
Lanchester, F. W., 200
Lanciani, R., 416
Land, 114-115
Landauer, J., 202
Landolt, H. H., 196, 210

Landscape gardening, 361-362
Landwirthschaftliche Jahrbücher, 26
— Versuchs-Stationen, 26
Lane, V., 127
— W. C., 28
Lane-Poole, S., 431
Lang, A., 65, 265, 422
— L. B., 427
— W. H., 249
Langbein, G., 209
Lange, A. F., 144
— H., 154
Langhans, P., 400
Langmead, T. P. Taswell, 126
Language, 153, 164-177
Lankester, E. R., 244
Lanza, G., 281
Larned, J. N., 29, 390
Larousse, P., 44
Larsen, A., 173
Lassar-Cohn, 324
Latham, E., 383
Lathes, 291
Latimer, E. W., 392, 425
Latin-English dictionaries, 177
Latin language, 177
— literature, 388
Latta, M. Nisbet, 331
Laughlin, C. E. 310
— J. L., 113, 120
Laurie, S. S., 146, 147
Laveleye, E. de, 99, 429
Lavignac, A., 376
Law, 125-132
— bibliography, 14
— primitive, 76
Lawless, E., 422
Laycock, W. F., 333
Leach, A. E., 218
Lead, 337
Leaning, J., 352
Leask, H., 334
Least squares, 187
Leather, 342
— trades chemistry, 217
Le Blanc, M. J. L., 214
Lecky, W. E. H., 59, 61, 93
Le Conte, J., 201, 225
Lee, A. B., 248
— S., 404
Leete, C. H., 399
Lefébure, E., 370
Lefèvre, A., 164
Leffmann, H., 215
Legros, E., 174
Leisure class, 99
Leland, C. G., 170, 342, 346, 367
Lennholm, E. A., 258
Lenses, 202, 374
Leonard, J. W., 406
Le Roy, J. A., 85
Leroy-Beaulieu, P., 103
Letchworth, W. P., 141
Letourneau, C., 235
Leupp, F. E., 133
Lewes, V. B., 332
Lewis, C. T., 38, 177
— Sir G. C., 95
— J. S., 338
— M. H., 286
— W. J., 223
Lewkowitsch, J., 216
Lexikon der gesamten Technik, 275
Lexis, W., 72
Liberty, 73
Libraries, 33-34
— catalogues, 29-30
Library atlas of modern geography, 398
— economy, 30-37
— of Congress. See U. S. Library of Congress
— of literary criticism, 384
— reference atlas of world, 399
Lichens, 256
Liddell, H. G., 177
Life, 247
— and labour of the people in London, 108
— insurance, 143-144
Light, 201-202
Lighting, electric, 207
Lightning rods, 204
Liliencron, R. von, 405
Limes, 333
Lindgren, E., 173
Ling, A. R., 329
Lippincott's new gazetteer, 395
Liquefaction of gases, 200
Liquid air, 200
Liquor problem, 63
— — bibliography, 10
Literary handbooks, 1
— methods, 36-37
Literature, 380-388
— bibliography, 1-3, 27
— of American history, 29
Lithology, 231
Little, C. E., 389
Little cyclopædia of common things, 41
Littré, É., 174
Living animals of the world, 260
Lloyd, H. D., 83
Lock, C. G. W., 275, 277
Locke, J., 56, 147
Lockwood Trade Journal Co., 343
Lockwood's Dictionary of terms, 285
Lockyer, Sir J. N., 188, 189, 191
Locy, W. A., 237
Lodge, H. C., 438
— Sir O. J., 188, 204
Loening, E., 72
Logarithms, 183
Logeman, W. S., 164
Logic, 58-59
Lombard street, 111
London, 423
— labor, 108
— scientific societies, 45
— social life, 79
Loney, S. L., 183, 184, 185
Longfellow, W. P. P., 363
Longmans, Green, & Co., 395
Longmans' new atlas, 399
Lossing, B. J., 437
Lotze, H., 53, 57, 58
Loudon, J. C., 250
— Mrs. J. W., 250
Lough, E., 57
Louis, H., 232
Louisville directory, 447
Lounsbury, T. R., 166
Lovell & Son, John, Montreal, 434
Low, S. J., 422
Lowell, A. L., 91-92

Lowell, P., 191
Lowndes, M. E., 53
Loyola, I., 148
Lubbock, Sir J., 1st Baron Avebury, 76, 239, 267, 270
Lübke, W., 359
Lucas, C. P., 391
Lueger, O., 275
Lumber manufacture, 341-342
Lunge, G., 216, 327, 335
Lunn, C., 378
Luxury, 99
Lycia, art, 360
Lydekker, R., 260, 268, 273, 274
Lydia, art, 360
Lyell, C., 226
Lyndon, L., 207
Lynn, W. T., 181
Lyon, O. 171, 172
McAdie, A., 229
McAlpine, A. N., 235
— D., 235
MacBride, E. W., 261
McCain, C. C., 319
McCarthy, J., 423
McClure, John, 25
— M. L., 414, 415
McComb, S., 50
McConachie, L. G., 98
MacCord, C. W., 291, 369
McCormack, T. J., 197
MacCoun, T., 397
McCoy Directory Co., Keokuk, Ia., 445, 449
McCrae, J., 214
MacCunn, J., 62
Macdonald, W., 73, 127, 128
MacDougal, D. T., 251
Macfarlane, A., 182
— J., 32
McGehee, L. P., 125
Macgillivray, E., J., 317
McGowan, G., 212, 222
Mach, E., 56, 197
Machine design, 283, 285
— production, 105
— shop, 291
Machinery, 122, 283—291
— electrical, 207
McIntosh, J., 373
Mackail, J. W., 407
M'Kechnie, W. S., 89
MacKellar, T., 315
M'Kendrick, J. G., 264
Mackenzie, J. S., 59, 70
McLaughlin, A. C., 127
Maclay, E. S., 138, 139
Maclean, J., 434
McLean & Co., J. L., New York, 113
McLellan, J. A., 182, 183
McMahon, J., 182
McMaster, J. B., 437
McMillan, C., 193
—W. G., 209
McMurrich, J. P., 268
McMurry, C. A., 150, 153
— F. M., 150
Macnutt, B., 194
Macy, J., 98, 126
Madan, F., 46
Madison, J., 128
Magazine subject-index, 4
Magic, 379
Maginnis, C. D., 369
Magnetism, 203-209
Magnets, 203
Magnitude, 178
Maguire, W. R., 300
Mahaffy, J. P., 64, 78
Mahan, A. T., 139
Maine, Sir H. J. S., 76, 77, 93
Maiolica, 367
Maitland, J., 171
— J. A. F., 376
Making of an American, 77
Malacostraca, 269
Malaysia, 239
Mallock, W. H., 116
Mallory, J. A., 129
Mammals, 274
Manatt, J. I., 417
Mandel, J. A., 223
Mann, C. R., 201
—H., 148
—J. S., 80
Manners, 159-163
Man's place in the universe, 190
Mansfield, J. M., 17
Mantegazza, P., 52
Manual for co-operators, 116
— of American water-works, 300
— of statistics, 114
Manual training, 150-151, 278, 353
— — bibliography, 17
Manufactures, 338-345
— economics, 120-123
Manufacturers, 396
Manuscripts, 46
Map construction, 192
— of life, 59
March, F. A., 167
—F. A., jr., 167
Marchant, W., 376
Marey, E. J., 264
Marindin, G. E., 416
Marine engine, 287
Marion & Co., 373
Markham, C. R., 396
Marks, G. C., 289
Marmery, J. V., 180
Marot, H., 13
Marquetry, 371
Marriage, 161
— laws, 130
Mars, 191
Marsh, G. P., 166
Marshall, A., 100
— H. R., 57
— W., 260, 268
Martin, E. A., 232
— F., 43
— P. F., 435
— T. C., 205, 207, 293
— W. R., 193
Martineau, J., 61
Marvin, C. F., 229
— W. L., 158
Marx, K., 117
Maryland gazetteer, 442
Mason, O. T., 77, 280
— R. B., 135
— W. P., 301
Masonry construction, 352
Maspéro, G., 78, 414, 415

Massachusetts year book, 442
Massart, J., 73
Massee, G., 251
Master Car Builders' Association, 355
Materials of engineering, 350
Mathematical recreations, 183
— theory of electricity, 204
Mathematics, 182-187
— bibliography, 18
Matheson, M. C., 108
Mathews, C. T., 364
Matson, H., 2
Matter, 194, 197
Matthews, J. M., 215, 254, 344
Maude, A., 356
Maver, W., jr., 205, 206
Maxwell, J. C., 197, 203
May, Sir T. E., 79
— W. J., 362
Mayer, C., 334
Mayeux, H., 368
Mead, D. W., 298, 301
Meade, E. S., 123
Meakin, B., 107
Meat inspection, 348
Mechanical appliances, 198
— drawing, 369-370
— engineering, 283-291
— handbooks, 274
— movements, 199, 283-284
Mechanics, 196-199
— celestial, 189
Mechanism, 291
Media, 415
Medical chemistry, 210
Medicines, analysis, 219
Medlicott, M., 36
Meijer, B., 44
Meitzen, A., 87
Meldola, R., 246, 374
Memory, 57
Memphis, directory, 447
Men and women of the time, 402
— of America, 406
Mendeleiev, D. I., 210
Mendenhall, T. C., 204
Mending, 346
Menke, T., 398
Mensch Directory Company, Paul, Chicago, 446
Mental derangements, 50
— evolution in animals, 267
— evolution in man, 53
— healing, 50
Mentz, F., 154
Menzel, W., 424
Merchant marine, 158
Merchants, 396
Mercier, C., 50
Merrill, G. P., 231, 233
Merriman, M., 182, 199, 295
Merritt, A. N., 158
Metal engraving, 372
— manufacture, 338-340
— ores, 233
— turning, 291
— work, 357, 367
— worker's handy-book, 338
Metallic structures, 351
Metallurgy, 335-336
Metals, electro-deposition, 209
— press-working, 291
Metaphysics, 49-50
Meteorological tables, 229
Meteorology, 229-230
Meteors, 191
Methodology, 50
Metric system, 159
Mexico, 435-436
— social life, 84
Meyer, B. E., 48
— E. C., 94
— E. S. C. von, 210, 212
— F. S., 368
— L. von, 213
— V., 222
Meyerhoffer, W., 196
Meyers geographischer Hand-Atlas, 400
— grosses Konversations-Lexikon, 43
— Hand-Lexikon, 43
Michaelis, A., 210
— E., 152
— H., 176
Michaud, J. F., 403
— L. G., 403
Michigan gazetteer, 443
Micro-organisms, 257-258, 269, 329
Microscopy, 247-248
Middle Ages, 417
— —myths, 163
Might Directories, Toronto, 435
Migula, W., 258
Mildew, 257
Militarism, 106
Military engineering, 294-295
— science, 138
Milk, 309
Mill, H. R., 178, 393
— J. S., 58, 64, 73
Millar, W. J., 197, 285
Miller, A. K., 329
— E. F., 288
— F., 357
— K. B., 206
— W., 305
Millikan, R. A., 201
Millinery, 313
Mills, W., 266
Millwork, 284
Milwaukee directory, 447
Mind and body, 50-52
Miner, G. W., 321
Mineral industry, 292
Mineralogy, 244
Minerals, economic, 234
— production, 121-122
Minerva, 154
Mining engineering, 292-294
— laws, 293-294
— manual,292
— products, 121-122
— year-book, 293
Minneapolis directory, 448
Minnesota gazetteer, 443
Minot, C. S., 247
Miracles, 41
Missions, 68
Mississippi basin, 439
Missouri gazetteer, 443
Mitchell, C. A., 330, 333
Mivart, St. G., 261, 273
Modern mechanism, 274
Mohr, F., 220
Molé, A., 174

Molecular physics, 209
Mollusks, 269
Mommsen, T., 416
Monetary conferences, 113
— convention, 2d, Indianapolis, 1898, 111
Money, 110-114
Montgomery, C. W., 12
— H., 90
— R. H., 322
Monopolies, 123
Monroe, W. S., 17
Monroe doctrine, 98
Montana gazetteer, 443
Montreal directory, 434
Moody, J., 123
Moody's Manual, 114
Moon, 190-191
Moor, S. A., 252
Moore, C. H., 366
— E. C. S., 300
— H. K., 152
— J. H., 321
— S., 117
Morality of plants, 253
More, Mrs. L. B., 109
Morfill, W. R., 425
Morgan, C. L., 245, 266, 267
— H. J., 83
— J. L. R., 214
— L. H., 78
— T. H., 262
Morley, F., 187
— H., 385
— H. F., 211
— J., 61
Morphology, botanical, 251-254
— zoological, 262-268
Morris, G. S., 49
— H. C., 95
— R., 170
— W., 116, 358, 367, 407
Morrison, G. J., 192
— H. S., 157
— W. D., 143
Mortality statistics, 89
Moseley, H. N., 238
Moses, J., 440
Mosses, 256
Mosso, A., 57
Moths, 270
Motion, 197
Mott, O. E., 222
Mould, 257, 269
Moulton, C. W., 384
—F. R., 189
Mountains, 239
Movement, 264
— in plants, 252, 253
Moyer, J. A., 185
Mückenberger, R., 327
Mühlbrecht, O., 11
Muir, J., 239
— M. M. P., 211, 212, 213, 324, 325
Muirhead, J. F., 436
— J. H., 61, 64
Mulhall, M. G., 87, 120
Müller, C., 398
— F. M., 164, 386
— H. A., 360
Mumford, J. K., 370
Munera pulveris, 99
Municipal affairs, bibliography, 14
— engineering, 299
— government, 133-136
— — bibliography, 14
— monopolies, 123, 136
— program, 133
— refuse, 302
— taxation, 136
— year book, 134
Munro, R., 240
Munson, J. E., 314
Müntz, E., 370
Mural painting, 371
Mure, W., 388
Muret, E., 172
Murphy, R. J., 440
Murray, D., 430
— J. A. H., 167
— J. C., 59
— J. E., 206
Mushrooms, 257
Music, 375-378
— education, 376
Musical guide, 375
— instruments, 378
— sound, 201
Musicians, 411-413
Myers, H. J., 149
Mythology, 68-69
Myths, 163

N

Nadaillac, J. F. A. du Pouget, marquis de, 240
Names, 394-396, 414
Nansen, F., 456
Napoleon, 421
Narcomania, 50
Narrative and critical history of America, 433
National bibliographies, 1-2
— Conference on State and Local Taxation, 118
— cyclopædia of American biography, 406
— iron and steel, coal and coke blue book, 293
—Municipal League, 133
Nationalization of land, 115
Natural history, bibliography, 21-23
— inheritance, 246
— sciences, 225-274
— selection, 236, 246
Naturalists' universal directory, 238
Nature, 178
— study, 235-237
— teaching, elementary, 152-153
Nautical astronomy, 193
Naval annual, 139
— architecture, 295
— encyclopædia, 139
— engineering, 294-295
— science, 138-139
Navigation, 193, 319-320
Naylor, W., 302
Neale, E. V., 116
Nebraska gazetteer, 443
Needlework, 313, 370
Negro problem, 85

Nernst, W., 213
Nesbitt, A., 332
— H. A., 426
Nettleship, H., 416
Neues Handwörterbuch der Chemie, 211
Neuman, H., 176
Neumann, B., 220
Neumayer, G., 209
New American supplement to, Encyclopædia Britannia, 37
New encyclopædia of social reform, 72
New England gazetteer, 443
New England History Teachers' Association, 153
New international encyclopædia, 36, 38
New international year book, 40
New knowledge, 178
New Mexico directory, 443
New Orleans directory, 448
New physics and its evolution, 193
New York, biography, 406
— charities, 141
— city directory, 448
— housing, 109
— State Library, 2
— State Tenement House Commission, 109
— tribune, 40
New Zealand, 454-455
— Registrar-General's Office, 454
Newark directory, 448
Newbigging, T., 331
Newcomb, S., 183, 189, 190, 191
Newell, F. H., 305
Newer ideals of peace, 106
Newfoundland, 434-435
Newhall, C. S., 255
Newman, G., 258
— J., 351
Newsholme, A., 87
Newspaper annual, 8
— making, 45
Newth, G. S., 216
Newton, A., 273
— Sir I., 181
Nichols, E. L., 195
— H. D., 371
Nicholson, G., 306
— J. S., 100, 111, 114, 122
Nicolls, W. J., 232
Nineteenth century, 39
Nisbet-Latta, M., 331
Nitti, F. S., 118
Noll, F., 249
Nomenclatura comercial, 276
Nominating systems, 93, 94
Nordenskiöld, A. E., 396, 397
Nordhoff, C., 117
Nordisk familjebok, 44
Norman, J. H., 113
Norse mythology, 68
North America, 394, 433-451
— birds, 272-273
— flora, 255-256
— geology, bibliography, 19-20
— Indians, 163, 242-243, 433-434
North Dakota gazetteer, 443
Northwest, 439, 441
Northwestern gazetteer, 443
Norton, C. E., 60, 73, 99, 358, 363, 368, 372
— Mrs. M. A. P., 312
Norton, S. W., 159
Norway, 427-428
Norwegian-English dictionaries, 173
Norwegian grammar, 173
Nouveau Larousse, 44
Nouvelle biographie générale, 402
Noyes, A. A., 219
— A. D., 119
Nursing, 313
Nutrition, 311
Nuttall, T., 273

O

Oak Leaves Company, Oak Park, Ill., 448
Oak Park, Ill., directory, 448
Oberholtzer, E. P., 94
Ocean transportation, 158
Oceanica, 453-455
Ochsner, A. J., 366
Oettingen, A. von, 181
— A. J. von, 181
Office international de bibliographie, 11
Office organization, 314
Official hotel red book, 310
— postal guide, 137
Ogilvie, J., 167
Ogilvie-Gordon, M. M., 226
Ogle, J. J., 34
Ohio directory, 443
— river, 440
Oil engines, 289-290
Oils, 330, 335
— analysis, 216-217
Okey, T., 81
Oklahoma gazetteer, 444
Old Northwest, 439
Oliver, F. W., 249
Olson, J. E., 173
Omaha directory, 448
— Directory Company, Omaha, 448
Oman, C. W. C., 138, 428
Oppenheim, N., 56
Optical projection, 202
Optics, 201-202
Oram, H. J., 287
Orchestral instruments, 378
Ore deposits, 232
— mining, 292
Oregon gazetteer, 444
Organic analysis, 215
— chemistry, 222-223
Oriental rugs, 370
Ormond, A. T., 50
Ornament, 367-371
Ornithology, 272-273
Orsi, P., 426
Ortner, J., 313
Ortúzar, A., 156
Osmun, T. E., 171
Ostrogorskiĭ, M. I., 98, 162
Ostwald, W. F., 221
Otlet, P., 11, 32
Otté, E. C., 428
Otto, E., 175
— F. J., 210

P

Pacific slope, 441
Packard, A. S., 261, 270

Packinghouse trades, 348
Page, T. N., 85
Pain, 57
Paine, J. K., 377
Paint and varnish facts and formulæ, 333
Painter, F. V. N., 147
Painters, biography, 372
— magazine, 355
Painting, 354-355, 371-372
— mural, 371
Paints, 333-334
Paleontology, 234-235
— bibliography, 19-21
Palestine, 397
Palgrave, R. H. I., 101
Palmer, F. H. E., 81, 82
— W., 43
Paper manufacture, 342-343
Panama to Patagonia, 452
Parasites, 268
Paris, 426
Parish, E., 51
Parker, E. H., 430
— F. W., 145, 151
— T. J., 235, 261
— W. N., 266
Parkman, F., 433
Parloa, M., 310
Parrish, R., 440
Parry, C. H. H., 376
—E. J., 335
Parshall, H. F., 296
Parsons, F., 86
— H. de B., 302
— S., 361
— T., 322
Pasko, W. W., 315
Patent-Office manual, 278
Patents, 278-279
Pathological chemistry, 223
Paton, J., 134
Patrick, D., 385, 402
Patridge, L. E., 151
Pattern design, 368
— making, 284, 339
Patterson, H., 320
Patterson's college and school directory, 149
Paul, H., 164
Paulsen, F., 154
Pauperism, 124
Paupers, 142
Pavements, 297
Payn, G., 174
Payne, J., 147
— W. H., 145, 147
Peabody, C. H., 200, 283, 288
Pearce, W. J., 354
Pearson, K., 49
— L., 309
Pechuel-Loesche, E., 260
Peck, H. T., 38, 416
— W. G., 182
Pedagogy, 144-154
Peddie, W., 194
Peek, H., 378
Peirce, B. O., 186
Pen drawing, 369
Penfield, S. L., 224
Pennsylvania gazetteer, 444
Penzler, J., 395
People of the period, 403
Peoria directory, 449
Pepper, C. M., 452
Perception, 56
Perez, B., 56
Perfumery, 335
Periodicals
— bibliography, 8-10
— indexes, 3-6
Periplus, 397
Perkins, C. C., 372
Perrine, F. A. C., 208
Perrot, G., 359, 360
Perry, A. C., 150
— G. R., 436
Persia, 415
— art, 359
Perspective, 185
Peschel, A., 241
Pessimism, 52
Pestalozzi, J. H., 148
Peters, E. D., 336
Petrie, W. M. F., 415
Petroleum, 232-233, 331
Pfeffer, W. F. P., 252
Pharmaceutical chemistry, 210
Philadelphia Commercial Museum, 157
— directory, 449
— Free Library, 9, 30
Philanthropy and social progress, 73
Philippine Islands, 453-454
Phillips, A. W., 184
— J. A., 232
Philological Society, 167
Philosophers, 407
Philosophy, 47-65
— ancient, 49, 63-64
— bibliography, 10
— as scientia scientiarum, 50
— of conduct, 59
— of education, 144-145
— of science, 178
Phoenicia, art, 359
Phonetics, 165-166
Phonography, 314
Photo-engraving, 374-375
Photographic reference book, 373
Photography, 373-375
Photo-micrography, 375
Phototopographic surveys, 192
Phrygia, art, 360
Phyfe, W. H. P., 39
Physical chemistry, 212-214
— geography, 226-231
— measurements, 196
— sciences, 178-274
— tables, 196
Physicists, 196
Physics, 193-209
— bibliography, 19
Physiognomy, 52
Physiography, 226, 288-229
Physiological botany, 251-254
— chemistry, 223, 265
— optics, 201
— psychology, 55
— zoology, 262-265
Physiology of the senses, 264
Pickering, W. H., 190
Piesse, C. H., 335
Pillsbury, W. B., 48
Pinchot, G., 307

Pinner, A., 222
Pioneers of science in America, 181
Pitman, Sir I., 314
Pitman and Sons, Sir Isaac, London, 36
Pittsburg, Carnegie Library, 28
— directory, 449
Plane geometry, 184
— trigonometry, 184
Plant breeding, 252
— diseases, 252-253
— geography, 254-255
— life, evolution, 251
— physiology, 251-252
— relations, 251
Plants, 361-362
— classification, 251
— habits, 253
— movements, 252
— variation, 246
Plaster, 333
Plastering, 352
Platon, 89
Platt, A. G., 123
Plattner, K. F., 220
Play of animals, 267
— of man, 57
Pleasure, 57
Ploetz, K, 393
Plumb, C. S., 308
Plumbing, 353-354
— & heating directory, 354
Plummer, M. W., 32
Podmore, F., 51
Poesche, H., 152
Poetry, index, 27
Poggendorff, J. C., 181
Poincaré, H., 178
— L., 193
Poisons, analysis, 219
Poland, 425
Polar explorations, 456
Political economy, 98-124
— bibliography, 12-14
— phrases, 90
— parties, 91, 98
— science, 89-98
Polk & Co., R. L., Detroit, 115, 341, 345, 441, 442, 443, 444, 446, 447, 449, 450, 451
Polk-McAvoy Directory Co., Omaha, 443
Polk's flour mill, grain and bakers' directory of the United States, 345
— real estate and financial register, 115
— Seattle Directory Co., Seattle, 450
Pollard, A. F., 47
Pollock, Sir F., 76, 179
Polyglot dictionaries, 164-165
— — of technology, 275-276
Ponce de Leon, N., 276
Poole, F. O., 4
— H., 328
— M., 4
— R. L., 397
— S. Lane-, 431
— W. F., 4
Poole's Index, 4
Poor, C. L., 190
Poore, B. P., 15
Poor's manual of the railroads of the United States, 319
Pope, A. E., 313
— T. H., 210
Porcelain, 366-367
Porter, N., 49
Porterfield, C., 125
Portland, Ore., directory, 449
Porto Rico, 436
Portrait index, 28
Portugal, 427
Portuguese-English dictionaries, 176
Posnett, H. M., 380
Posse, N., 151
Post, J., 216
Post Office London directory, 423
Post's paper mill directory, 343
Potter, M. E., 2
Pottery, 366-367
Poulton, E. B., 245, 267
Poverty, 105, 109, 124
Powell, J. W., 19
Power, F. B., 219
Power plant engineering, 286
— stations, 207
— transmission, 208
Powers' central station directory, 203
Practical problems in banking and currency, 110
Pratt, A. T. C., 403
Preece, W. H., 206
Prehistoric archaeology, 239-241
— art, 240-241
Press-working of metals, 291
Preston, T., 201, 202
Preyer, W., 56
Price, E. D. 43
— and Lee Company, Newark, 448
Prideaux, S. T., 347
Primary education, 151-153
Primitive music, 377
— religion, 65
Prindle, E. J., 278
Pringle, A., 373
Printers, 316
Printing, 315-317
Pritchard, E., 264
Privat-Deschanel, A., 195
Probability, 182
Problems of poverty, 105
Producer-gas, 332
Production, 120-123
Profit sharing, 104, 108, 115-116
Profits, 105
Progress and poverty, 115
— of the century, 42
Prohibition, 63
Projective geometry, 182, 184
Proof-reading, 316
Properties of matter, 194
Proportional representation, 94
Pros and cons, 74
Protection, 119-120
Protozoans, 269
Proverbs, 163
Providence directory, 449
— Public Library, 7
Pruning, 306
Prussia, K. Ministerium für Handel, Gewerbe und öffentliche Arbeiten, 6, 24
Psychic factors of civilization, 70
Psychology, 52-58
— bibliography, 10

Psychology, experimental, 269
Publishers, 315
Puckle, G. H., 186
Pullen, W. W. F., 184
Pulling, F. S., 422
Pumping machinery, 290
Punctuation, 166
Punishment and reformation, 143
Punishments, 128
Putnam, G. H., 315, 317
— J. B., 315
Pylodet, L., 175

Q

Qualitative analysis, 219-220
Quantitative analysis, 220-221
Quaternions, 182, 186
Quatrefages de Bréau, A de, 242
Quick, R. H., 147
Quotations, 382-383, 386-388

R

Rabbeno, U., 119
Race and language, 164
Racial characteristics, 52
Races of man, 241-243
Radio-activity, 178
Rae, J., 117
Rafter, G. W., 302
Rahill, J. J., 123
Railroad economics, 157-158
— officials, directory 318
— rates, 158
— securities, 114
Railroads, 318-319
— bibliography, 18
Railway atlas, 399
— engineering, 295-296
— officials, 319, 410
— problems, 158
Rambaud, A. N., 427
Ramsay, W., 416
— W., FRS., 221
Rand, B., 13, 48
— McNally & Co., 389, 400
— McNally bankers' directory, 112
Rankine, W. J. M., 197, 282, 284, 285
Rare books, 46-47
Ratzel, F., 242
Ravenstein, E. G., 393, 394
Rawson, C., 333
Raymond, C. W., 25
Reader's guide in economic, social and political science, 11
— — to contemporary literature, 3
— — to periodical literature, 5
— handbook of famous names in fiction, 41
Reading and aids, 35-36
Ready reckoners, 322
Reagents, chemical, 217
Real estate directory, 115
Reality, 49
Reber, F. von, 360
Receipt books, 277
Receipts, printing, 316
Reciprocity, 120
Recitation, 150
Recitations, index, 27
Reclus, E., 226, 393, 394
Red book textile directory, 344
Reddall, H. F., 39
Reddaway, W. F., 98
Redgrave, G. R., 368
— R., 368
Redman, H. N., 376
Redwood, Sir B., 331
Reed, C. A., 272
Reeve, H., 84
Reference books, guides, 7, 36
References for literary workers, 2
Referendum, 94
Reformation, 419
Reformers' year book, 105
Refrigeration, 290
Reid, D., 283
— H. A., 352
— J. S., 283
Rein, W., 146
Reinsch, P. S., 95
Religion, 65-69
— bibliography, 10
Religious wars, 419-420
Remsen, I., 210, 213, 222
Renaissance, 418
— in Italy, 81
Renaut, F. W., 27
Rensselaer, N. Y., directory, 445
Rents, 105
Repairing, 346
Répertoire bibliographique des sciences mathématiques, 18, 33
Repertorium der technischen Journal-Litteratur, 24
— der technischen Literatur, 24
Reptiles, 271
Review of reviews, 4
Reye, T., 184
Rhees, W. J., 9, 10
Rhetoric, 382
Rhode Island directory, 449
Rhodes, J. F., 438
Ribot, T., 52, 53, 57
Rich, W. H., 273
Richards, Mrs. E. H. S., 216, 310, 311, 312
— J. W., 337
Richardson, C. F., 384
— Charles, 133
— Clifford, 331
— E. C., 33
— M. T., 346
— T., 324
Richet, C. R., 33
Richmond, H. D., 309
Richter, V. von, 223
Rideal, S., 301, 302
Ridgeway, W., 159
Ridgway, R., 272, 273
Riemann, H., 376
Ries, H., 234
Rieth, Dr., 24
Rietz, H. L., 245, 308
Riis, J. A., 77
Rines, G. E., 37
Ringwalt, R. C., 74, 75
Ripley, W. Z., 21, 158, 242
Risteen, A. D., 209
Ritchie, D. G., 89
Ritter, C., 395
River transportation, 158
Rivers, 228, 298

Rix, W. P., 332
Roads, 297
Roberts-Austen, Sir W. C., 336, 337
Robertson, G. C., 63
— J. M., 109
Robinson, B. L., 255
— C. M., 136
— S. W., 291
— W., 361, 362
Rochester directory, 449
Rockford, Ill., directory, 449
Rocks, 231
Rodway, J., 239
Roe, E. T., 322
Rogers, J. E., 255, 269
— J. E. T., 79, 108
Roget, J. L. 169
— P. M., 169
Röhrig, E., 276
Rollins, M., 114
Roman literature, 388
Romance of industry, 279
Romanes, G. J., 53, 245, 246, 267
Rome, 415-416
— biography, 404
— colonization, 95
— customs, 160
— empire, 416
— mythology, 69
Romero, M., 436
Romilly, H. H., 454
Ronald, M., 311
Ronalds, Sir F., 19
Rood, O. N., 201
Roofs, 295
Roosevelt, T., 441
Rorer, Mrs. S. T., 257
Roscoe, Sir H. E., 211, 212
Rose, G. M., 406
— J., 287, 291
— J. H., 422
— N. Jönssow, 361
Rosenhain, W., 332
Rosenkranz, J. K. F., 145
Ross, E. A., 71
Rossiter, W., 179
Rothwell, R. P., 292
Rouaix, P., 368
Rouech, A. E., 313
Rousseau, J. J., 89, 145, 148
Routh, E. J., 198
Routledge, R., 280
Rowe, L. S., 133
Rowntree, B. S., 109
Royce, J., 48, 60
Rubber, 345
Rübencamp, R., 334
Rugs, 370
Ruhmer, E. W., 206
Rusby, H. H., 253
Ruskin, J., 60, 73, 99, 358, 360, 363, 368, 372
Russell, H. B., 113
— H. L., 301
— I. C., 227, 228
— J., 148
— T., 229
Russia, 427
— social life, 82

S

Sabin, A. H., 334
Sachs, J. von, 251
— K., 175
St. Joseph, Mo., directory, 450
St. Louis directory, 450
St. Paul directory, 450
Saintsbury, G. E. B., 385, 387
Salisbury, R. D., 225, 226
Salmon, L. M., 109
Salomon, O., 151
Salt Lake City directory, 450
Salter, C., 330, 342
Salvation Army, 68
Samoa, 455
Sampson & Murdock Co., Boston, 449, 451
Sanders, L. C., 403
Sandys, J. E., 416
Sanford, E. C., 56
San Francisco directory, 450
Sanitary engineering, 299-303
Sanitation, 299
Santayana, G., 58
Sardinia, art, 360
Sargent, C. S., 256
Saunders, W., 270
Sawyer, F. H., 454
Say, L., 101
Sayce, A. H., 164, 414, 415
Scandinavia, 427-428
Scandinavian literature, 387
Schäfer, E. A., 263
Scheiner, J., 189
Scheler, A., 174
Schem, A. J., 146
Schenck, H., 249
Scherer, W., 386
Scherl, August, Berlin, 424
Schierbrand, W. von, 81
Schimper, A. F. W., 254
Schlick, W., 307
Schlomann, A., 275
Schloss, D. F., 108
Schmatolla, E., 302
Schmeckebier, L. F., 19
Schmidt, I., 172
— O., 260
Schnabel, C., 336
Schneider, A., 256
Scholz, F., 52
Schönland, S., 245
School directories, 149
— law, 154
— management, 149-151
Schooling, J. H., 156
Schorlemmer, C., 211, 223
Schouler, J., 128, 437
Schröer, A., 172
Schubarth, E. L., 24
Schulze-Gaevernitz, G. von, 105
Schwegler, A., 49
Schweinfurth, G., 432
Scidmore, E. R., 454
Science, bibliography, 18-23
— history, 180-181
— philosophy, 178
— teaching, 152-153, 180
Scientific American, 37
— — cyclopædia, 277
— — reference book, 38

Scientific dictionaries, 179
— explorations, 237-238
— London, 45
— societies, 45-46
Scientists, 409-410
Scobel, A., 394, 398
Scotland, 422
— biography, 404
Scott, C. A., 186
— D. H., 234
— E. H., 128
— F. N., 166
— R., 177
— W. D., 322
Scripture, E. W., 165
Scruggs, W. L., 452
Scudder, V. D., 80
Sears, E. H., 91
Seattle directory, 450
Sedgwick, A., 260, 261, 265
— W. T., 235
Seeger and Guernsey's cyclopædia, 281
Seeley, L., 154
Seidell, A., 214
Seignobos, C., 91
Selbie, J. A., 65, 67
Selden, F. H., 151, 347
Select documents illustrative of the history of the United States, 128
Selections and documents in economics, 118
Seligman, E. R. A., 100, 118
Senators, election, 94
Sennett, R., 287
Sensation, 54
Sense perceptions, 56
Servants, 313
Serviss, G. P., 190, 191
Settlements, social, 73, 75
Severance, H. O., 9
Sewage, 301-302
Sexual selection, 246
Seyffert, O., 416
Seymour, M., 2
Shadwell, A., 120
Shafer, J. A., 255
Shaler, N. S., 84, 226, 227, 243
Shamel, C. H., 294
Shann, G., 108
Sharp, J., 340
— R. F., 404
Shaw, A., 133, 134
— T., 308
Sheet-metal, 340
Shell book, 269
Shipley, A. E., 245, 260, 261
Shipping world year book, 320
Shoe and leather reporter annual, 342
Shoes, 347
Shore, T. W., 242
Short, C., 177
— J. T., 243
Shorthand, 314
Shrubs, 255
Siberia, 431
Sidgwick, A., 59
— H., 60, 61, 90
Sight, 201
Silk, 345
Silver, 337
Silversmithing, 340
Silverwork, 367
Simcox, E. J., 78
Simmonds, F., 366
Simpson, H. F. M., 240
Singer, I., 69
Single tax, 115
Singleton, E., 371, 376
Sioux City directory, 450
Skeat, W. W., 166, 167
Skottowe, B. C., 98
Slang, 170-171
Slater, J. H., 47, 372
Sleep, 52
Slingo, W., 205
Sloane, T. O., 202, 203
— W. M., 93
Sloss, R. T., 297
Smart, W., 98, 99, 105
Smelting, electric, 209
Smith, A. M., 316
— Adam, 65, 100
— Alexander, 180
— B. E., 37, 399
— C., 186
— C. B., 303, 309
— C. J., 169
— D. E., 182
— E. F., 223
— G. A., 397
— G. B., 280
— H. I., 111
— H. P., 39
— J., 254
— J. Bucknall, 340
— John Bernhard, 270
— L., 174
— N. A., 151, 152
— O., 340
— R. Mayo, 87
— R. S., 193
— W., 398, 404, 416
— Sir W., 177
— W. R., 217
Smithells, A., 223
Smithsonian Institution, 9, 10, 229
— Bureau of American Ethnology, 9, 21
— meteorological tables, 229
Smoke prevention, 302
Smythe, W. E., 305
Snodgrass, W., 264
Snyder, C., 158
Soap, 334
Soards Directory Co., New Orleans, 448
Social conscience, 62
— England, 80
— ethics, 59-63
— evolution, 70
— ideals in English letters, 80
— justice, 62-74
— progress, 74
— psychology, 52
— sciences, 69-163
— settlements, 73, 75
— — bibliography, 12
— statics, 70
— unrest, 104
— year book, 74
Socialism, 116-118
— bibliography, 13
Socialist movements, 104
Societies, handbook, 45
Society, primitive, 76-78
— of Chemical Industry, 27

Society of Telegraph Engineers, 19
Sociologists, 77, 407-408
Sociology, 69-163
— bibliography, 11-18
Soils, 231, 304-305
— analysis, 217
Solar system, 190, 228
Solberg, T., 387
Solid geometry, 184
Sollas, H. B. C., 227
— W. J., 227
Solomon Islands, 455
Solubility, 214
Sombart, W., 117
Sonnenschein, W. S., 3
Sonnenschein's cyclopædia of education, 146
Soule, R., 169
Sound, 57, 201
South Africa, 432
South America, 451-453
— — commerce, 157
South Dakota gazetteer, 443
South End House, Boston, 84, 85
Southern States, 439
Southward, J., 315
Space, 178
— analysis, 182
Spahr, C. B., 102
Spain, 426-427
— social life, 82
Spalding, F. P., 350
— H. M., 131
Spanish language, 176
— literature, 387-388
Spanton, J. H., 185
Spargo, J., 116
Specifications, 281, 351
Spectroscopy, 189
Spectrum analysis, 202
Spencer, H., 60, 70, 71, 145, 236
Spherical astronomy, 189
Spiers, A., 175
— V., 175
Spiller, G., 54
Spiritualism, 51
Spon, E., 275, 277, 282
— F. N., 275
— E. & F. N., 349
Spons' dictionary of engineering, 282
— encyclopædia of the industrial arts, 275
— mechanics' own book, 349
Sport, 378-380
Sprague, O. M. W., 112
Springfield, Ill., directory, 450
Springsteed, A. F., 312
Spruner von Merz, K., 398
Stained glass, 371
Staley, C., 192
Stallybrass, J. S., 68
Stammhammer, J., 12, 13
Standage, H. C., 334, 355
Standard dictionary, 168
— Oil Company, 122
Stanford, E., 401
Stanford dictionary, 167
Stanford's compendium of geography and travel, 417
Stanley, H. M., 432
Stansbie, J. H., 340
Stanwood, E., 120
Starling, E. H., 223
— F. A., 223
Starr, F., 239
Stars, 188, 191
State directories and gazetteers, 441-444
See also names of states
— ethics, 62
— form of, 93-94
— government, 137
— theory, 89-90
Statesman's year-book, 43
Statesmen, 91
Statham, H. H., 363, 366
Statics, 198
Stationary engineers of Chicago, 286
Statistical abstract of the United States, 88
Statistics, 86-89
— of women at work, 162
Statutes, 129-130
Steam, 286
— boilers, 288
— engine, 283, 285
— engineering, 286-288
— tables, 200
— turbines, 287-288
Stebbing, T. R. R., 269
Steel, 336, 341, 351
— construction, 365
Steele, F. M., 313
Steiner, E. A., 97
Steinmetz, C. P., 208
Stephen, L., 60, 179, 404
Stephens, H. M., 427
Stereochemistry, 214
Sternberg, G. M., 258
Stevens, H. J., 292
— T., 287
Stewart, B., 202
Stieler, A., 401
Stillman, T. B., 217
Stirling, J. H., 49, 64
Stocks and bonds, 113-114
Stodola, A., 288
Stohmann, F., 326
Stokvis, A. M. H. J., 393
Stone, T. W., 199
— mining, 292
Storage batteries, 209
Storer, F. H., 303
Stormonth, J., 168, 236
Story, A. T., 83
— W. H., 200
Stoughton, B., 336
Stout, G. F., 54
Strasburger, E., 249, 254
Stratton, S. S., 377
Street, E. E., 82
Street cleaning, 302
— pavements, 297
— railway investments, 158
— railways, 296, 318
Stringed instruments, 378
Strong, H. A., 164
Stroud, F., 125
Strunsky, S., 36
Struthers, J., 292
Stubbs, A. J., 206
— W., 126
Stuckenberg, J. H. W., 71
Sturgis, R., 27, 359, 363, 364

Sturm, M. J., 366
Suess, E., 227
Suffolk and Berkshire, H. C. Howard, 18th earl of, 378
Suffrage, 94
Sully, J., 52, 54, 56
Sulphuric acid, 327
Sulz, C. H., 329
Sumner, W. G., 159
Sun, 191
Suplee, H. H., 5
Surface features of the earth, 228-229
Survey gazetteer of the British Isles, 422
Surveying, 192-193, 352
Sutherland, G., 280
Sutton, F., 221
Svenska vetenskaps-akademien, Stockholm, 138
Sveriges statskalender, 138
Swan, H., 386
Sweden, 427-428
— social life, 82
— year book, 138
Swedish-English dictionaries, 173
Swedish gymnastics, 151
Sweet, H., 166, 170
Switzerland, 428
— constitutional history, 126
— government, 92
— labor, 106
— social life, 82-83
Sykes, W. J., 329
Symonds, J. A., 81
Synonyms, 169
— French, 175
— German, 172
Synoptical flora of North America, 255
Syracuse directory, 451
Syria, 414

T

Taggart, W. S., 344
Taine, H. A., 81, 386
Tait, P. G., 186, 194, 195
Talbot, H. P., 221
Talbott, E. H., 318
Tanger, G., 172
Tankard, A. R., 215
Tapestry 370
Tarbell, I. M., 122
Tariff, 119-120
Tarleton, F. A., 198
Tarr, R. S., 227, 231
Taschenberg, E. L., 260
— O., 23
Taussig, F. W., 99, 120
Taxation, 118-119
— municipal, 136
Taylor, A. J. Wallis, 290
Taylor, C. F., 86
— I., 242, 396
— J. E., 253
— R. W. C., 122
Tea, 305
Teaching, See Education
Teall, F. H., 166
Technical dictionaries, 274-276
— literature, indexes, 5-6
Technological and scientific dictionary 274
Technologisches Wörterbuch, 276
Technologists, 280
Technology, 274-355
— bibliography, 23-27
Telegraph, 205-206
Telephone, 205
Telescopes, 188, 189
Temperance, 63
Temperature-entropy table, 286
Tenement house problem, 109
Tenements, 107, 109
Terrestrial magnetism, 209
Terry, H. L., 345
Tests, chemical, 217
Teuffel, W. S., 388
Teutonic mythology, 68
Textile fabrics, 333
— world record, 344
— world's directory of the mill trade, 344
Textiles, 343-345
Theal, G. M., 432
Theatre, 379
Theory of equations, 184
— of functions, 187
Thermo-chemistry, 212
Thermodynamics, 198, 202, 213, 283
— bibliography, 19
Thesaurus dictionary of the English language, 167
— of English words and phrases, 169
Thieme, U., 361
Thilly, F., 154
Thom & Co., Alex., Dublin, 423
Thomas, A., 174
— J., 403
— T., 377
Thomas Publishing Co., 338
Thomas' register of American manufacturers, 338
Thompson, D'A. W., jr., 23
— G. F., 25
— J. D., 33, 45
— L. C. D., 45
— S. P., 201, 203, 207
Thomson, J. A., 246
— J. J., 204
— Sir C. W., 238
— W. See Kelvin, W. Thomson, 1st baron
Thorne, R., 39
— W. W., 313
Thorp, F. H., 325
— W., 324
Thorpe, M., 429
— T. E., 222, 232, 326
Threlfall, R., 215
Thurston, R. H., 159, 199, 287, 288, 350
Thwaites, R. G., 440
Thwing, C. F., 154
Tides, 191
Tilden, W. A., 212
Tillinghast, W. H., 393
Tillson, G. W., 297
Timber, 307
Times, London, annual index, 45
Tingle, J. B., 202
Titchener, E. B., 48, 54, 60
Tocqueville, A. de, 84
Todd, D. P., 188
Todhunter, I., 183, 184, 198
Toledo directory, 451
Tolhausen, A., 276

Tolhausen, L., 174, 276
Tolman, E. B., 135
— W. H., 141
Tolstoi, L. N., 356
Tools, 291
Topographical surveying, 192-193
Toronto directory, 435
Torrey, B., 236, 314
Torrey Botanical Club, New York, 22
Toynbee, A., 103
— P., 175
Tozer, H. J., 89
Trade, 155-159
Trade-unions, 104-105, 110
— bibliography, 13
Trades, 345-348
— waste, 302
Trail, J. W. H., 306
Traill, H. D., 80
Transcendental idealism, 65
Transportation, 318-320
Tratman, E. E. R., 295
Travelers, 396
Travelers', shippers' and mail guide, 319
Travis, T., 51
Treadwell, A., 209
Trechmann, E., 172
Trees, 255-256
Tregarthen, G., 455
Trent, W. P., 384
Trevelyan, Sir G. O., bart., 439
Tribune almanac, 40
Tricks, 379
Trigonometry, 184
Trotman, S. R., 217
Trow Directory, Printing and Bookbinding Co., New York, 448
Trowbridge, J., 204
Trübner, K., 154
Trusts, 123
Tsountas, C., 417
Tuckerman, A., 19
Tufts, J. H., 49
Tupper, H. A., 68
Turbines, 287-289
Turkey, 429, 431
— social life, 83
Turneaure, F. E., 295, 301
Turner, G. C., 182
Turning lathes, 291
Tweney, C. F., 274
Two centuries' growth of American law, 132
Tyler, M. C., 384
Tylor, E. B., 77, 243
Tyndall, J., 201, 202, 228
Typography, 315

U

Ueberweg, F., 49
Ulzer, F., 217
Understanding, 56
Underwood, L. M., 257
Unemployed, 109
Unions See Trade-unions
United States, 436-451
— agriculture, 304
— altitudes, 230
— annual industry, 308
— banking, 112
— biliography, 1-2
— biography, 405-407
United States booksellers, 317
— cement industry, 350
— census, 88
— ceramics, 366
— charities, 141
— civil war, 439
— colonial history, 438-439
— colonies, 96, 441
— commercial directory, 283
— communistic societies, 117
— constitutional history, 127-128
— copyright, 317
— economic conditions, 103
— education, 148-149
— finance, 119
— flora, 255-256
— foreign relations, 97-98
— government, 92-93, 136-137
— historical geography, 397
— horticulture, 305-306
— hotels, 310
— irrigation, 305
— journalism, 45
— labor, 106-107
— law, 132
— libraries, 34
— manufactures, 281, 338
— merchant marine, 158
— Mexican war, 439
— mineral resources, 292-294
— mining law, 293-294
— monopolies, 123
— municipal government, 134-136
— navigation, 319
— navy, 138-139
— painting, 371
— physical geography, 228
— presidents, 408
— public documents, catalogues, 14-16
— railroads, 319, 399
— science, 181
— social life, 84-85
— socialism, 117
— statistics, 88-89
— statutes, 129
— street railways, 158-159, 318
— tariff history, 120
— taxation, 118
— universities, 154
United States (government bodies)
— Civil Service Commission, 133
— Commission of Fish and Fisheries, 309
— Congress, 98, 129
— Constitutional Convention, 1787, 128
— Department of Agriculture, 25-26, 304
— — Division of Entomology, 23, 25
— — Division of Publications, 25, 26
— — Library, 26
— — Office of Experiment Stations, 25-26
— Department of Commerce and Labor, Bureau of Labor, 109
— — Bureau of Statistics, 88
— — Bureau of the Census, 88, 89, 137, 142, 162, 205, 207, 293, 296, 338
— Department of Labor, 14
— Department of the Interior. Bureau of Education, 17, 34
— — Census Office, 88
— — Geological Survey, 20-21, 234, 293

United States Patent Office, 278, 279
— Government Printing Office. Superintendent of Documents, 14, 15, 16,
— laws, statutes, etc., 103, 294
— Library of Congress, 2, 14, 33
— — Division of Bibliography, 9, 18, 30
— National Museum, 9
— Navy Department. Hydrographic Office, Division of Chart Construction, 320
— Post Office Department, 137
— Treasury Department, Coast and Geodetic Survey, 18
— Immigration Investigating Commission, 97
— War Department, Engineers, 25
United States catalog, 2
— official register, 137
— textile directory, 343
Universal cyclopædia, 40
— directory of railway officials, 319
— electrical directory, 203
Universe, 190
University education, 154
— settlements, 73, 75
Unwin, W. C., 199, 285, 350
Upington, G., Brooklyn, 445
Urquhart, J. W., 207, 208
Utah gazetteer, 444

V

Value, 99
Van Beneden, P. J., 268
Van Cleve, B. F., 274
Vanderwelde, E., 73
Van Liew, C. C., 55
Van Nostrand's Chemical annual, 212
Vapereau, G., 403
Varnishes, 333-334
Veblen, T. B., 99
Vector analysis, 182
Vega, G. Freiherr von, 183
Vegetable chemistry, 223
— fats, 330
— gardening, 308
— mould, 269
— physiology, 252
— substances, analysis, 219
Veiller, L., 109
Velasquez de la Cadena, M., 176
Venezuela, 452
Ventilation, 302, 354
Verbalist, 171
Verfasser, J., 374
Vernon-Harcourt, L. F., 282, 283, 298, 299
Vertebrates, 271-274
Verworn, M., 263
Vetenskaps-akademien, Stockholm, 138
Vialls, M. A., 426
Village-communities, 93
Villari, Luigi, 81
Villatte, C., 175
Vincent, B., 42
— J. M., 92
Vinegar, 329
Vines, 255
Vines, S. H., 251
Vinycomb, J., 47
Violins, 378
Viollet-le-Duc, E. E., 363, 365, 368
Virginia, 439
— directory, 444
Vivarium, 261
Vivian, A., 304
Voice, 378
Volcanoes, 227
Volumetric analysis, 220-221
Vries, H. de, 252

W

Wage-earners' budgets, 109
Wages, 99, 104-105, 108
Wagner, R. von, 324, 325
Wait, J. C., 352
Wale, W., 386
Walford, E., 63
Walker, A. J., 222
— F. A., 100, 111, 113
— J., 212, 213
— T. A., 125
Wall, E. J., 373
Wallace, A. R., 190, 236, 246, 268, 453
— Sir D. M., 82
— H. E., 114
— W., 58
Wallas, G., 105
Wallaschek, R., 377
Waller, E., 220
Wallis-Tayler, A. J., 290
Walmsley, R. M., 205
— W. H., 375
Walsh, W. S., 42, 160
Wanklyn, J. A., 218
War, 138-139
Ward, H. M., 252, 307
— J., 369
— L. F., 70, 71
— R. D., 230
Ware, F., 147
— L. S., 329
Waring, G. E., jr., 302
Warman, P. C., 20
Warn, R. H., 340
Warner, A. G., 141
— F., 151
Wars of religion, 419-420
Washburn, M. F., 60
Washington, B. T., 85
Washington (City) directory, 451
— (State) gazetteer, 444
Wasps, 270
Watch making, 346
Water, 216, 231
— analysis, 216, 218
— power, 199-200, 207, 289, 298
— purification, 301
Waters, C. E., 256
— C. E. C., 361
Water-supply engineering, 301
Waterways, 158, 298
Water-works companies, 300
Watson, J., 65
— W., 195
Watt, A., 342, 343
Watts, H., 324
Waukesha directory, 451
Wayte, W., 416
Wealth, 98-102
— and moral law, 62
— of nations, 100
Weather, 229

Weathers, J., 362
Weaving, 343
Webb, B., 110
— S., 110
Weber, C. O., 345
Webster, N., 168
Weddige, A., 210
Weed, W. H., 232, 294
Weeks, F. B., 20-21
Wegele, F. X., 405
Wegmann, E., 299
Wegweiser durch die neuere Litteratur der Rechts-und Staatswissenschaften, 11
Weidinger, G., 326
Weights and measures, 159
Weisbach, J., 285
Weismann, A., 245, 246
Welby, F. A., 379
Weld, L.G., 182
Welfare institutions, 104
Wellman, M., 269
Wells, D. A., 102
— H. L., 214, 219
— P. P., 29
Wendell, B., 81
Wenström, E., 173
Wentworth, G. A., 183
Werge, J., 374
Werner, A., 214
West Indies, 436
West Virginia gazetteer, 444
Westermarck, E., 161
Western States, 441
Wheatley, H. B., 32
Wheeler, B. I., 164
— C. G., 40, 347
— G. M., 19
— W. A., 1, 40
Where to look, 36
Whitaker, J., 43
White, G., 369
— H., 112
— R. G., 166, 167
— Sir W. H., 295
Whitney, W. D., 37, 164, 170, 173
Who's who, 405
Who's who in America, 406
Who's who in New York City and state, 406
Who wrote it? 1
Wickett, S. M., 101
Wicksteed, C. M., 105
Wiedersheim, R. E. E., 266
Wiggin, K. D., afterwards Riggs, 152
Wight, O. W., 64
Wigley, T. B., 340
Wilcox, D. F., 133, 134
— E. V., 303, 309
Wiley, H. W., 217, 312
Willey, A., 271
Williams, C. R., 112
— G. S., 200
— H. Shaler, 234
— H. Smith, 181
— S. C., 130
— S. W., 83
— W. C., 213
Williams & Co., 443
Williams Directory Company, Cincinnati, 446
Williamson, B., 198
Williamson, G. C., 372
Willis, H. P., 96, 120
Willoughby, W. F., 96, 108
— W. W., 74, 90
Wilson, E. B., 235, 247
— E. H., 253
— E. L., 373
— H., 367
— H. M., 192
— J., 166
— J. G., 405, 408
— L. N., 18
— M. E., 55
— W., 91
Wilson Company, H. W., Minneapolis, 2, 3, 5
Winchell, S. R., 441
Windelband, W., 49
Windle, B. C. A., 239
Wines, F. H., 63, 143
Wing, H. H., 309
Winkelmann, A., 210
Winnebago County, Ill., directory, 449
Winning of the West, 441
Winsor, J., 29, 397, 433, 439
Wire, 340
Wireless telegraphy, 206
— telephony, 206
Wiring, 208
Wisconsin gazetteer, 444
Wise, M. E., 152
Woman, 73, 161-162
— education, 154
— employment, 103, 108
— suffrage, 94
Woman's share in primitive culture, 77
Wood, D., 289
Wood, 341
— carving, 366
— distillation, 329
— engraving, 372
Woodhead, G. S., 259
Woodman, A. G., 216
Woods, F. H., 428
— F. S., 185
— H., 235
— R. A., 73, 80, 84, 85
Woodward, M. F., 265
— R. S., 182, 192
Woodworking, 151, 346-347, 353
Woodworth, J. V., 341
Wool, 345
Woolhouse, W. S. B., 159
Woolsey, T. D., 90, 125
Wooster, D., 250
Worcester, D. C., 454
— E., 50
— J. E., 168
Workingmen's insurance, 108
Workshop receipts, 277
— re-construction, 278
World almanac, 40
— and the individual, 48
Worms, 269
Worsaae, J. J. A., 240
Wörterbuch der Volkswirtschaft, 101
Worthen, W. E., 369
Wright, A. G., Milwaukee, 447, 451
— C. D., 71, 103
— C. R. A., 330
— G. F., 431
— H. M., 454

Wright, J., 208
— Joseph, 170
— L., 201, 202
— M. O., 273
— W. A., 64
Wundt, W., 54, 55, 60
Wurtz, A., 211
Wyer, J. I., jr., 17
— S. S., 332
Wyoming directory, 444

Y

Yale University, Law School, 132
Yearbook of photography, 374
Yeasts, 257
Yeats, J., 280
Yonge, C. D., 177
Youmans, W. J., 181
Young, C. A., 188
— F. Chilton, 353
Young, J. J., 367
— J. W. A., 182

Z

Zaehnsdorf, J. W., 348
Zahm, J. A., 201
Zeller, E., 49, 64
Zenker, E. V., 118
Zerr, G., 334
Ziegler, H. E., 261
Ziehen, T., 55
Zimmermann, A., 248
Zinc, 337
Zittel, K. A. Ritter von, 226, 235
Ziwet, A., 198
Zoogeography, 268
Zoologisches Wörterbuch, 261
Zoology, 259-274
— bibliography, 22-23
Zueblin, C., 135

REGULATIONS

The Library is a free public reference library, open to readers every day, excepting Sundays, from 9. A. M. to 10 P. M.

Outer garments, umbrellas, and packages may be checked in the Cloak Room without charge, and must be so checked in wet weather. The Library will not hold itself responsible for unchecked articles nor for any articles left over night.

Books shelved in the Reading Room and on the open shelves of the Senn Room, except as noted below, may be consulted without formality, but after use are to be left on the tables, instead of being replaced on the shelves.

Current periodicals, except those on the Medical Sciences, may be consulted within the periodical alcove; and may be obtained for use at the tables in the Reading Rooms by presenting at the periodical desk serial call-slips properly filled out. Current medical periodicals are shelved in the Senn Room and may be consulted there.

Books not shelved in the Reading Rooms may be obtained by presenting to the Delivery Clerk book call-slips properly filled out. Medical works may be obtained also at the desk in the Senn Room. These books are to be returned to the desks.

Persons engaged in special research, if satisfactorily vouched for, may be admitted to the Stack Rooms. Application for this privilege should be made to the Reference Librarians. All books used under this provision are to be left on the tables in the Stack Rooms.

Books not suitable for general use may be consulted only upon registration and statement of satisfactory reasons; and those of great value or rarity only in the presence of an attendant.

Writing or marking in books belonging to the Library, their mutilation in any manner, and their removal from the Library, are forbidden. The tracing of plans will be permitted if done over a celluloid cover, but not otherwise. The covers will be furnished upon application at the delivery desks.

The officials of the Library are authorized to exclude any person of unseemly behavior or appearance, and any one wilfully violating its regulations.

The Reference Librarians, in charge of the Reading Rooms, will give assistance in the use of the library.

PUBLICATIONS IN PRINT

No bills are rendered. Orders should be accompanied by Postal Money Order or stamps.

Annual reports. First to fourteenth for the years 1895–1908. Chicago 1897–1909. *Sent gratis on request.*

The First report contains Record of Organization; the Second, Memorial of Edson Keith; the Fifth, Memorial and portrait of Norman Williams; the Sixth, Memorial and portrait of Huntington W. Jackson; the Seventh, the Act and the Ordinance authorizing the Library to erect and maintain a free public library on the Lake Front Park; the Ninth, the "Act concerning free public libraries in public parks"; the Eleventh, Memorial and portrait of Marshall Field, and the "Ordinance concerning The John Crerar Library"; the Thirteenth, Memorials and portraits of Albert Keep and Dr. Nicholas Senn; the Fourteenth, By-Laws of the Corporation.

Printed catalogue cards for the titles of all books in the Library. *Price $3.00 a thousand for one copy of every title from the beginning or from any later date; one cent each for all titles on a given subject; two cents each for a selection.*

A list of current periodicals in the Reading Room, June, 1902. Chicago, 1902. 97 p. *Price 10 cents; by mail 15 cents.*

A list of bibliographies of special subjects, July, 1902. Chicago 1902. 504 p. *Price 25 cents; by mail 50 cents.*

A list of books on industrial arts, October, 1903. Chicago 1904. 249 p. *Price 20 cents; by mail 30 cents.*

A list of cyclopedias and dictionaries, with a list of directories, August, 1904. Chicago 1904. vi, 272 p. *Price 20 cents; by mail 30 cents.*

A bibliography of union lists of serials. Chicago, 1906. 28 p. *Price 5 cents; by mail 10 cents.*

A list of books exhibited December 30, 1907—January 4, 1908, including incunabula and other early printed books in the Senn Collection. Chicago 1907. 32 p. *Price 5 cents; by mail 10 cents.*

Handbook 1907. Chicago 1907. 15 p. *Sent gratis on request.*

A list of books in the Reading Room 1909. Chicago, 1909. viii, 488 p. *Price 25 cents; by mail 50 cents.*